

Personal Data

- **Salutation:** Mr.
- **Last Name:** Volkov
- **First Name:** Denis V.
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- **Email:** denis.volkov@adevit.de
- **Year of Birth:** 1967
- **IT Experience since:** 1984
- **Nationality:** German
- **Availability:**
 - From Jan 1, 2025: 20%
 - From Jan 1, 2026: 100%
 - Remote work / Home office preferred

Position

- Senior Software Developer
- Database Architect, Application Architect
- Trainer
- Technical Project Manager

Business Focus

- Financial Reporting, Investment Banking
- Sales Support, Commission Calculation

Technical Focus

- Concept, modeling, and development of a Data Warehouse (DWH) with Oracle
- Software analysis, design, and development (Java, Java EE)
- Reporting with BIRT
- UNIX Scripting (Shells, Perl)

Education & Training

- **1984–1990:** Degree in "Applied Mathematics" in Moscow. Programming in Fortran and Pascal. Graduated with honors: Engineer-Mathematician (Recognized degree: Diplom-Mathematiker / Master's in Mathematics).
- **1992–1994:** Further training as a Unix Software Developer at the Siemens-Nixdorf Training Center in Düsseldorf, including a supplementary course in Business Administration. Graduation Certificate: SNI "UNIX Software Developer", passed "with distinction".
- **1999:** Training series for Informix DBA: "IDS Administrator Part 1", "SQL Optimization".
- **2002:** Certification exam: "Certified Java 2 Platform Programmer".
- **2010:** Certification exam: "Certified BIRT 2.3 Developer".

Location

- Greater Frankfurt area
- Europe (with reservations)
- Home office preferred

Language Skills

- **English:** Fluent (written and spoken)
- **German:** Fluent (written and spoken)
- **Russian:** Fluent (written and spoken)
- **French:** Basic knowledge
- **Spanish:** Basic knowledge

Operating Systems

- **Unix:** Linux (UBUNTU, Red-Hat, Raspberry Pi), HP-UX, AIX, and other UNIX derivatives (Extensive knowledge and experience).
- **Windows:** Multi-year experience.

Programming Languages

- **PL/SQL:** Multi-year project experience.
- **SQL:** Absolute core focus, extensive project experience. Deep knowledge of standards and various Oracle extensions.
- **Java:** In-depth experience across multiple projects; Sun-certified Java Programmer.
- **JavaScript:** Long-term project experience.
- **Python:** Long-term project experience.
- **PowerShell:** Project experience.
- **BIRT JavaScript:** Project experience.
- **PHP:** Multi-year experience in web development.
- **C#:** Project experience.
- **XML/XPath/XSL:** Versatile usage in Java projects.
- **sh, ksh, bash:** In-depth knowledge and experience in many projects and daily work, including `sed` and `awk`.
- **Perl:** In-depth knowledge and experience in many projects.
- **C++:** Deep language knowledge and extensive project experience.
- **C:** Deep language knowledge and extensive project experience.
- **HTML:** Multi-year experience.
- **VB, VBA:** Experience over several years.

Programming Techniques & Tools

- **Oracle Application Express (APEX):** Experience since 2017.
- **PL/SQL Developer:** Multi-year experience.
- **Oracle SQL Developer & Data Modeler:** Multi-year experience.
- **Java EE (Servlets, JSP, JSF, JAX-RS, JSON-P):** Multi-year project experience.
- **JBoss V7:** Project experience.
- **Tibco JasperSoft V6:** Experience in report development.

- **Version Control Tools:** Git, CVS, Subversion, and others (Multi-year project use).
- **Gradle / Jenkins:** Project experience.
- **Eclipse:** Multi-year project experience.
- **Eclipse BIRT:** Certified "BIRT 2.3 Developer", extensive project experience.
- **nginx / Apache Web Server (httpd) / Apache Tomcat:** Multi-year experience.
- **WildFly 10.x (Java EE Application Server):** Some experience.
- **UML (MS-Visio for concepts, Rational Rose, ArgoUML):** Multi-year experience.
- **make, ant, maven:** Extensive experience in multiple projects.
- **Perl-DBI / PHP MySQL API:** Project experience.

Databases

- **Oracle 10g, 11g, 12c, 19:** Extensive project experience.
- **MySQL, MariaDB:** Project experience.
- **MS SQL Server:** Experience with versions 2005, 2017.
- **Informix:** Project and administration experience, Informix certifications.

Industries (Business Analysis)

- Banking / Financial Services
- Wholesale
- Passenger Transport / Railway
- IT Services
- Telecommunications / Mobile Networks
- Tourism
- Recruitment / Matching Agencies

Projects

Note: To protect client confidentiality, exact company names are omitted. Details can be provided upon request.

- **Period:** 01.2026–Present
 - **Client:** IT Service Provider
 - **Project:** ArCoGram, development of a series of intellectual games
 - **Activity:** Concept, implementation, deployment, maintenance, marketing
 - **Platform:** C#, Python, MariaDB, Docker, Unity, Cursor
- **Period:** 01.2026–Present
 - **Client:** Bank
 - **Project:** Multiple products in Client Reporting (mass and customized), Client Master Data Management, Fee Billing, Management of Special Funds
 - **Activity:** Maintenance, technical project management, business analysis
 - **Platform:** C#, Oracle, Java 17, Spring 6, Struts 6, MS SQL Server 2017, flowdata, Control-M, PowerShell
- **Period:** 04.2024–12.2025
 - **Client:** Bank
 - **Project:** Zembra, development of a large microservice-based system for ad-hoc reporting, ordering, and live positions. Porting of several legacy applications, global technology migration, new interfaces to supplier companies

- **Activity:** Data management and interface owner, Business Analyst
 - **Platform:** C#, MS SQL Server 2017, flowdata, Control-M, PowerShell
- **Period:** 12.2023–03.2024
 - **Client:** Bank
 - **Project:** Zembra-1, migration interface for benchmark performance
 - **Activity:** Business analysis of functional model differences, design of the daily migration concept for the transition phase, implementation, testing, production support
 - **Platform:** Oracle 19, MS SQL Server 2017, flowdata, Control-M
- **Period:** 06.2023–11.2023
 - **Client:** Bank
 - **Project:** Automation of the EOM (End of Month) process
 - **Activity:** Functional as-is analysis of the EOM process, conception and implementation of automated processes. Testing, production support
 - **Platform:** Oracle 19, Control-M, flowdata
- **Period:** 12.2022–05.2023
 - **Client:** Bank
 - **Project:** New Report Layout
 - **Activity:** Implementation of the layout for all reports in accordance with the new Corporate Identity
 - **Platform:** Jasper Reports 6, GIMP 2.10
- **Period:** 10.2022–02.2023
 - **Client:** Bank
 - **Project:** ESG Reports
 - **Activity:** Concept and implementation of the ESG interface to MSCI, data loading into two UAT systems, participation in the development of ESG reports
 - **Platform:** Java 11, Oracle 19, MS SQL Server 2017, Jasper Reports 6, JBoss 7
- **Period:** 07.2022–09.2022
 - **Client:** Bank
 - **Project:** Horus Security Level
 - **Activity:** Increasing the security level of all applications. This required upgrading all old, unsupported Java libraries to new versions and adjusting the entire application accordingly. Among other tasks, Struts 1.3 was migrated to Struts 2 in the frontend applications ReportingManager and BenchmarkManager. Concept, development, testing, deployment, support
 - **Platform:** Java 8, 11; Struts 1.3 -> Struts 2; Oracle 19
- **Period:** 11.2021–05.2022
 - **Client:** Bank
 - **Project:** ESG
 - **Activity:** Implementation of regulatory requirements, concept and implementation of the loading interface for MSCI ESG data into 3 instances, creation of ESG reports
 - **Platform:** Oracle 19, MS SQL Server 2017, Tibco Jaspersoft 6
- **Period:** 07.2021–09.2021
 - **Client:** Bank
 - **Project:** Interface Consolidation (OCR/PLR)
 - **Activity:** Business analysis of required functional differences. Conception of deployment and migration steps, test support, execution, production support
 - **Platform:** Oracle 19
- **Period:** 01.2021–06.2021

- **Client:** Bank
- **Project:** Oracle Migration
- **Activity:** Migration of applications from Oracle 12 to Oracle 19. Performance tuning
- **Platform:** Oracle 12, Oracle 19
- **Period:** 04.2020–03.2021
 - **Client:** Event Agency
 - **Project:** showspot.eu
 - **Activity:** Proposal, business analysis, concept, development, test, deployment, operations
 - **Platform:** Linux Ubuntu 20, Python 3, Flask 2.0, nginx, MariaDB 10.3, BIRT 4
- **Period:** 03.2020–Present
 - **Client:** Bank
 - **Project:** "Run The Bank" Maintenance
 - **Activity:** Resolving business unit tickets, release management, development, deployment, support. Included the introduction of new instrument types (precious metals, forward transactions) and adaptation of the master data hierarchy
 - **Platform:** Oracle 12c, 19; Java 6, 8, 11; Oracle SQL Developer 18, Gradle 4, 6, Git 2, Struts 1.3, 2; JBoss EAP6, EAP7; Eclipse 2018..., 2022-06
- **Period:** 09.2018–03.2020
 - **Client:** Bank
 - **Project:** PORTIA Decommissioning / Replacement
 - **Activity:** Consolidation of the data model across several applications, adaptation and reorganization of the web applications: Benchmark Manager and Reporting Manager. Concept, modeling, development, testing. Migration of all libraries to Java 8 and JBoss
 - **Platform:** Oracle 12c, Java 6, Java 8, MyBatis 3, Oracle SQL Developer 18, Gradle 4, Git 2, Struts 1.3, JBoss EAP 6
- **Period:** 05.2018–08.2018
 - **Client:** Bank
 - **Project:** Data Protection Life Cycle
 - **Activity:** Collaboration on the design and implementation of the system for logging, modifying, and fulfilling storage, backup, and restore requests
 - **Platform:** Oracle 12c, APEX 4.x, 5.x, Informatica PowerCenter 10.x, Pentaho, Solaris, Linux
- **Period:** 06.2017–04.2018
 - **Client:** Bank
 - **Project:** Liquidity Risk DWH
 - **Activity:** Collaboration on the design and implementation of further features for the Liquidity Risk DWH. Participation in infrastructure expansion, performance tuning
 - **Platform:** Oracle 11g, 12c, TFS, UC4, Solaris, APEX 4.x
- **Period:** 03.2017–10.2017
 - **Client:** University
 - **Project:** Mathematical Article on the Collatz Conjecture
 - **Activity:** Development of the mathematical model of a finite automaton to solve the Collatz Conjecture. Calculation of examples, validation of hypotheses
 - **Platform:** LaTeX, Java 1.8

- **Period:** 03.2017–05.2017
 - **Client:** Public Authority
 - **Project:** Allegro – Optimization of the test environment through the use of the in-memory database HSQLDB
 - **Activity:** Adapting existing Liquibase scripts to the HSQLDB database. Porting Oracle stored procedures to HSQLDB
 - **Platform:** Oracle 11.2, HSQLDB 2.3.4, Java 1.7
- **Period:** 01.2016–05.2017
 - **Client:** Public Authority
 - **Project:** Allegro – The system for complete processing of statutory unemployment benefit claims
 - **Activity:** Collaboration in the NFA (Non-Functional Requirements) team. Performance tuning, development of optimized installation procedures, expansion of development and deployment tools, refactoring of Java components, technical support of testing processes, including the introduction of an in-memory database for unit tests. Applied key Scrum features within the software development process
 - **Platform:** Oracle 11g, Java 1.7, Eclipse 4.5, Oracle WebLogic 10.3, Liquibase 3.4, EclipseLink 2.4, Maven 3, Git 1.9, CVS 2.5, Jenkins 1.580, Gerrit 2.9.1, JIRA 6.4.1, Innovator 11.5
- **Period:** 06.2016 (1 week)
 - **Client:** Heavy Industry
 - **Project:** Workshop on BIRT Integration into a WildFly Environment
 - **Activity:** Conducting a workshop. Onboarding, prototype development, presentation, moderation
 - **Platform:** BIRT 4.5, Eclipse 4.5, Java 1.8, WildFly 10, JBoss Developer Studio 9.1.10GA
- **Period:** 11.2015
 - **Client:** Public Authority
 - **Project:** Course on BIRT Design and Integration
 - **Activity:** Delivering a 3-day course on BIRT: report design and integration
 - **Platform:** BIRT 4.4.1, Eclipse, Java 1.8, JavaScript
- **Period:** 11.2015–12.2015
 - **Client:** Financial Service Provider
 - **Project:** Star-Based Sales/Revenue List
 - **Activity:** Implementation of the revenue tables' architecture into the star schema, implementation of interfaces to the frontend and the data engine, testing the application
 - **Platform:** Oracle 12c, PL/SQL, JSON
- **Period:** 05.2015–12.2015
 - **Client:** Financial Service Provider
 - **Project:** FactSheets
 - **Activity:** Implementation of pilot reports based on the new microservice architecture. Implementation of BIRT modules for dynamic report generation and service-oriented data sourcing. Design and implementation of the entire infrastructure for a new way of report production
 - **Platform:** Oracle 12c, PL/SQL, Java 1.7, Tomcat 7, BIRT 4.2, PhantomJS 2.0, Highstock 2.1, Highcharts 4.1, JavaScript, JSON
- **Period:** 08.2014–12.2014
 - **Client:** Financial Service Provider
 - **Project:** StarBIRT

- **Activity:** Feasibility study. Creation of multiple functional prototypes of dynamic BIRT reports based on interactive reporting. Implementation of all dashboard types. Implementation of the HTTP(S) connection from the report to the Highcharts PhantomJS server. Performance testing, documentation
- **Platform:** Oracle 12c, PL/SQL, Java JDK 1.7, BIRT 4.4, JavaScript, Highcharts, PhantomJS
- **Period:** 09.2014–09.2014
 - **Client:** State Authority
 - **Project:** Course on Java and Java EE
 - **Activity:** Preparation and delivery of an IT course on Java and Java EE
 - **Platform:** Java JDK 1.7, Java EE v7, Eclipse 4.2, Tomcat 7.0.55, Apache MyFaces 2.2, Apache CXF 2.6.8 and 3.0.1, JAX-WS, JAX-RS, JSON
- **Period:** 05.2014–07.2014
 - **Client:** Financial Service Provider
 - **Project:** Consolidation of Data Models
 - **Activity:** Architecture and design of a standardized data model for all interactive reporting components (dashboards and interactive inventory lists), preparation of migration scripts, support for the supplier regarding data loading and synchronization. Testing, preparation for parallel operations
 - **Platform:** Oracle 11g, PL/SQL
- **Period:** 04.2013–04.2014
 - **Client:** Financial Service Provider
 - **Project:** Security Concept for ARDO Web Services
 - **Activity:** Migration of web services to public-key authentication based on corporate-signed certificates. Organization of certificate attributes infrastructure for external clients. Testing, deployment. Creating and signing internal certificates, writing documentation for external clients
 - **Platform:** Java JDK, OpenSSH, Oracle 11g
- **Period:** 03.2013–03.2014
 - **Client:** Financial Service Provider
 - **Project:** DYBI (Dynamic BIRT)
 - **Activity:** Evaluation project: implementation of a specialized engine for the dynamic creation of `.rptdesign` documents (BIRT source files) based on user templates from Interactive Reporting. This project confirmed the feasibility of converting all configured dashboards for assets, performance, or risk indicators into periodic subscriptions. Integration into the central application ICRProxy was also completed. Testing, documentation
 - **Platform:** Oracle 11g, PL/SQL, Java JDK 1.7, Eclipse BIRT 4.2
- **Period:** 12.2013–02.2014
 - **Client:** Financial Service Provider
 - **Project:** ARDO – Periodic ordering of interactive inventory lists
 - **Activity:** Conception, model design, implementation of the web service client, integration into the central application ICRProxy, implementation of the subscription management package, testing, deployment of the new version of ICRProxy with ARDO features, deployment of Oracle packages
 - **Platform:** Oracle 11g, PL/SQL, Java JDK 1.7, Apache Axis2
- **Period:** 09.2013–11.2013
 - **Client:** Financial Service Provider
 - **Project:** Interactive Reporting – Performance Time Series and Risk Indicators

- **Activity:** Enhancement of all interfaces to include performance time series and risk indicators. Development of the query and aggregation engine for aggregated performance. Testing, deployment of the database components
 - **Platform:** Oracle 11g, PL/SQL
- **Period:** 04.2013–08.2013
 - **Client:** Financial Service Provider
 - **Project:** Interactive Reporting Asset Dashboard
 - **Activity:** Design of the ICR data model for Interactive Reporting. Implementation of the JSON interface to the frontend, implementation of the interface to the query engine, implementation of the data synchronization process, testing, deployment of the database components. Maintenance of the interfaces and the query engine
 - **Platform:** Oracle 11g, PL/SQL
- **Period:** 03.2013–03.2013
 - **Client:** Financial Service Provider
 - **Project:** Migration of the Roles Loader Application to Windows
 - **Activity:** Conception, planning, implementation of the migration, testing, and deployment of the "ICRRolesLoader" application on the new platform. This application is responsible for synchronizing LDAP users and their functional roles into the ICR database
 - **Platform:** Java JDK 7, Solaris, Windows Server 2008, Oracle 11g
- **Period:** 02.2013–02.2013
 - **Client:** Financial Service Provider
 - **Project:** Migration of the Archive Application to Windows
 - **Activity:** Conception, planning, implementation of the migration, testing, and deployment of the "ICRArchive" application on the new platform. This application handles the archiving of reports generated 13 months prior. It interfaces with an external archiving system
 - **Platform:** Java JDK 7, Solaris, Windows Server 2008, Oracle 11g
- **Period:** 01.2013–01.2013
 - **Client:** Financial Service Provider
 - **Project:** Migration of the Mailer Application to Windows
 - **Activity:** Conception, planning, implementation of the migration, testing, and deployment of the "ICRMailer" application on the new platform. This application handles sending completed reports via email and delivering the necessary files for printing and physical mail dispatch
 - **Platform:** Java JDK 7, Solaris, Windows Server 2008, Oracle 11g
- **Period:** 03.2013–03.2013
 - **Client:** IT Service Provider (Austria)
 - **Project:** Workshop on BIRT Report Design and Integration
 - **Activity:** Delivering the workshop
 - **Platform:** Java JDK 7, Eclipse BIRT 4.2.1, JBoss 7
- **Period:** 07.2012–12.2012
 - **Client:** Financial Service Provider
 - **Project:** Porting Actuate Reports to Eclipse BIRT
 - **Activity:** Technical project management, design, implementation
 - **Platform:** Java JDK 7, Eclipse BIRT 3.7, Solaris, Windows Server 2008
- **Period:** 06.2012–09.2012
 - **Client:** Financial Service Provider
 - **Project:** Interactive Inventory List

- **Activity:** Technical backend architecture, technical sub-project management, implementation of the database interface, coordination of the testing process
 - **Platform:** Oracle 11gR2, Tomcat 7, Java JDK 7, JSON communication format
- **Period:** 06.2012–Present
 - **Client:** Training Provider
 - **Project:** Java Fundamentals Course Series
 - **Activity:** Training delivery. The course was held multiple times for various clients
 - **Platform:** Java JDK 7, Eclipse Juno, ArgoUML 0.34
- **Period:** 03.2012–05.2018
 - **Client:** Training Provider
 - **Project:** Oracle Application Development with SQL Course Series
 - **Activity:** Training delivery. The course was held multiple times for various clients
 - **Platform:** Oracle 11-XE, Oracle SQL Developer 3.x, Oracle Data Modeler (integrated), Windows 7, MS Access 2003–2007, ODBC
- **Period:** 12.2011–02.2012
 - **Client:** Financial Service Provider
 - **Project:** Connecting SAP BO and Eclipse BIRT to the Reporting Platform
 - **Activity:** Analysis, architecture, and redesign of the proxy for connecting diverse server components. Implementation of the new architecture, testing, maintenance. Development of custom server components for CSV reports
 - **Platform:** Java 6, SAP BO 4.0, Actuate e.Reports 10, Eclipse BIRT 2.6
- **Period:** 10.2010–12.2015
 - **Client:** Financial Service Provider
 - **Project:** Maintenance and Further Development of ICR
 - **Activity:** Analysis, design, implementation, testing, maintenance. Various small-scale projects such as multi-language support, expanding the report portfolio, proxy expansion, evaluation study for selecting a suitable reporting tool, implementation of a universal task dispatcher
 - **Platform:** Oracle 11g, 12c; Java 6, 7, 8; Actuate e.Reports 10; BIRT 3.7, 4.2
- **Period:** 04.2011–10.2011
 - **Client:** IT Service Provider
 - **Project:** SQL in Oracle Workbook
 - **Activity:** Design, data modeling, task compilation, testing, proofreading. The book was published by ADEVIT® Verlag
 - **Platform:** Oracle XE, Oracle Modeler, Oracle SQL Developer
- **Period:** 09.2010–10.2011
 - **Client:** Financial Service Provider
 - **Project:** Outsourcing of Data Assets
 - **Activity:** Analysis, design, implementation, testing, maintenance. Our reporting database is hosted by another company. In this context, specific components had to be converted and migrated step-by-step. The challenge was to maintain operations during the transition phase and keep data exchange transparent for clients
 - **Platform:** Oracle 11g, Java 6, Actuate e.Reports 10, BIRT 2.5
- **Period:** 01.2010–04.2010
 - **Client:** Internet Service Provider
 - **Project:** ID-File: Security Solution for a Commercial Portal
 - **Activity:** Design, development, installation, and maintenance of the security system for the portal. Consulting on the portal's technical architecture

- **Platform:** Linux, PHP5, MySQL, JavaScript
- **Period:** 10.2008–05.2010
 - **Client:** Financial Service Provider
 - **Project:** New DWH
 - **Activity:** Participation in the design, implementation, and tuning of the new Data Warehouse model for ICR standard reporting. Extension of the ETL interface, migration of reporting queries, support during go-live, support, and maintenance
 - **Platform:** Oracle 10g
- **Period:** 06.2008–10.2008
 - **Client:** Job Agency
 - **Project:** Portal for Job Seekers
 - **Activity:** Creation of the job portal for providers and applicants: design, development, installation, consulting, maintenance, collaboration with the design team
 - **Platform:** Linux, PHP, MySQL
- **Period:** 04.2008–09.2008
 - **Client:** Financial Service Provider
 - **Project:** IFRS General Ledger
 - **Activity:** Management of the sub-project "Reporting according to IFRS". Planning and coordination of interface development, development of new reporting components, human resources allocation, deadline monitoring, quality assurance, handover to production
 - **Platform:** Sun Solaris, Oracle 10g, Tomcat 1.5, MS Excel, MS Project
- **Period:** 05.2007–10.2010
 - **Client:** Financial Service Provider
 - **Project:** Institutional Customer Reporting (Project Line)
 - **Activity:** Analysis, design, technical project management. Data delivery, data re-mapping/loading, data access layer, web frontend for ad-hoc reporting. Financial fund reporting according to HGB and IFRS. Definition and rollout of new operational processes, support for technology selection decisions
 - **Platform:** Sun Solaris, Oracle 10g, Tomcat 1.5, Java 6
- **Period:** 11.2006–04.2007
 - **Client:** Bank
 - **Project:** Standard Distributor Reporting, migration of customer master data to the new data model
 - **Activity:** Analysis, design, and development of the access layer for the new data model
 - **Platform:** Oracle 9i, HP-UX, OWB (Oracle Warehouse Builder)
- **Period:** 09.2006–10.2006
 - **Client:** Wholesale
 - **Project:** Introduction of Augeo5 Project and Portfolio Management
 - **Activity:** Planning, organization, and coordination of technical department activities; installation and tuning of the Augeo platform, creation of operations manuals (BHB), preparation of SLAs
 - **Platform:** Windows 2003 Server, Tomcat 4.0, Crystal Reports X, Oracle 10g, Augeo5
- **Period:** 08.2006 (2 weeks)
 - **Client:** Bank
 - **Project:** ETL Migration from PowerMart to OWB in VEVA

- **Activity:** Installation of the development environment, development of OWB mappings
 - **Platform:** Informatica PowerMart 5.x, Oracle Warehouse Builder 10.2, Oracle Database Server 10.2
- **Period:** 05.2006–10.2006
 - **Client:** Wholesale Company
 - **Project:** WebPricing, WebCO
 - **Activity:** Technical consulting, performance tuning, coordination of load tests, system administration
 - **Platform:** Linux SuSE 8.2+, SLES 9, JBoss 3.x/4.x, ColdFusion 6.x+, DB2 UDB 8.x, MySQL 4.x, Apache httpd 1.3.x, Tomcat Connector 1.2.x
- **Period:** 02.2004–04.2006
 - **Client:** Bank
 - **Project:** Project Line
 - **Activity:** Consulting, production performance tuning, implementation of change requests
 - **Platform:** Oracle 9i, HP-UX
- **Period:** 01.2006–03.2006
 - **Client:** Bank
 - **Project:** Partner Relationship Management II. Multipliers
 - **Activity:** Analysis, design, and execution of data migration from various legacy systems (Multiplier Database)
 - **Platform:** Windows XP, HP-UX, MS Access 2003, Oracle 9i, PL/SQL, sqlloader, Siebel 7.5
- **Period:** 09.2005–03.2006
 - **Client:** Bank
 - **Project:** VEV for Savings Banks (Sparkassen) and Landesbanken
 - **Activity:** Development of core and bonus VEV (Sales Performance Remuneration). Creation of the technical specification (DV-Konzept), implementation of calculation routines, development of import routines. Technical project management, performance tuning
 - **Platform:** Oracle 9i, CA ErWin 4.0, PL/SQL
- **Period:** 01.2005–12.2005
 - **Client:** IT Service Provider
 - **Project:** FinaEx
 - **Activity:** Creation of a web service for calculating optimal stock purchase strategies. Project management, design, architecture, development
 - **Platform:** Linux Debian, MySQL, Tomcat, Java, Struts, Perl; Eclipse, Exadel Studio
- **Period:** 03.2005–08.2005
 - **Client:** Bank
 - **Project:** Portal User Migration
 - **Activity:** Migrating users from the legacy portal system to the new one. Migration of new savings bank users. Creation of the technical specification (DV-Konzept), optimization and mapping of the data model, development of migration programs, optimization of SQL scripts. Technical database support and coaching
 - **Platform:** Oracle 9i, CA ErWin 4.0, PL/SQL, MS Access, Java
- **Period:** 10.2004–05.2005
 - **Client:** Bank
 - **Project:** Weighted Sales Performance Remuneration

- **Activity:** Creation of the technical specification, data modeling, development of rule-based calculation, implementation of remuneration calculation routines in the database
 - **Platform:** Windows 2000, HP-UX, Oracle 9i, CA ErWin 4.0
- **Period:** 04.2004–12.2004
 - **Client:** Bank
 - **Project:** PARMA – Partner Relationship Management
 - **Activity:** Analysis, design, and execution of data migration from legacy source systems
 - **Platform:** Windows 2000, HP-UX, MS Access 97, Oracle 8, Sybase System 11, Siebel 7.5
- **Period:** 02.2004–03.2004
 - **Client:** Bank
 - **Project:** Administrative and Sales Performance Remunerations
 - **Activity:** Automated import of inventory information and calculation of administrative and sales performance remunerations. Technical design, data modeling, implementation of the automated loading process and calculation routines in the database
 - **Platform:** Windows 2000, HP-UX, Oracle 8, Informatica PowerMart 4.6, XML, CA ErWin 4.0, Rational Rose, Eclipse, J2EE, UltraLightClient, BEA WebLogic Server
- **Period:** 10.2003–01.2004
 - **Client:** Transport Company
 - **Project:** ISTP VERA (Consolidation and further development of train tracking and incident reporting systems)
 - **Activity:** Architecture, design, and implementation of the interface to PPS production plants; creation of the frontend for recording and approving major incident reports
 - **Platform:** Windows 2000, Rational Rose, Oracle 9i, Java, Swing, PL/SQL, Java RMI, JUnit, JDom, XML, Log4j, Toad, MS Visio, Borland J-Builder
- **Period:** 08.2003–09.2003
 - **Client:** IT Service Provider
 - **Project:** Onboarding / Training in KANA Service 8.0
 - **Activity:** Installation, porting to Windows environment, and training in the latest J2EE/EJB tool from KANA for configuring business processes and business applications. Learning the KANA XML API. Designed a demo application via UML, installation, and administration of the full platform: Windows 2000 Advanced Server, Oracle 9i, WebSphere Application Server 4.0, WebSphere Application Development Studio 5.0
 - **Platform:** Windows XP, Oracle 9i, WebSphere Application Server 4.0, IBM MQ Series 3.5, AltaVista SDK, J2EE, EJB, JSP, XML, KANA Service 8.0, Rational Rose, MS Visio
- **Period:** 04.2003–12.2003
 - **Client:** IT Service Provider
 - **Project:** Profile Manager
 - **Activity:** Analysis, design, and development of a package for maintaining and analyzing skill profiles and project requirements. The analysis tool was designed to process and compare fuzzy information. Project execution. Development of the Java JDBC client using Swing
 - **Platform:** Windows XP, Rational Rose, Linux, Oracle 9i, Java, Swing, PL/SQL, JDBC

- **Period:** 01.2003–07.2003
 - **Client:** Transport Company
 - **Project:** New Pricing System – Expansion
 - **Activity:** Analysis, effort estimation, design, and development of various extensions for the General Interface, including billing processes. Consulting for the system testing team and other interface users. Sub-project management
 - **Platform:** Tandem NonStop Kernel, C, C++, Java, NonStop SQL
- **Period:** 02.2002–12.2002
 - **Client:** Transport Company
 - **Project:** New Pricing System
 - **Activity:** Development, testing, and documentation of the General Interface within the scope of the New Pricing System. Adaptation of billing processes. Development of the message processing program using Java/Swing
 - **Platform:** Tandem NonStop, C, C++, Java, Swing, NonStop SQL
- **Period:** 07.2001–01.2002
 - **Client:** IT Service Provider (for a Bank)
 - **Project:** Euro Information Server (Information system for unposted transactions)
 - **Activity:** Analysis, design via UML (OOA, OOD), and development of further functionalities for Dresdner Bank's "Euro Information Server". Participation in performance tuning, preparation of installation scripts
 - **Platform:** AIX 4.3, Sniff+, Visio, Informix IDS 7.31, C++, RogueWave Library, IBM MQ Series, Java, RMI
- **Period:** 01.2001–06.2001
 - **Client:** Tourism Company
 - **Project:** Database Strategy
 - **Activity:** Participation in the database strategy selection project. Development of business-critical criteria, research planning, presentation of findings to executive management
 - **Platform:** Various
- **Period:** 07.2000–06.2001
 - **Client:** Tourism Company
 - **Project:** Wachmann (Watchman)
 - **Activity:** Concept creation, design, and development of a tool for monitoring Informix database servers over the network and collecting statistics. Development of the web UI for system administration and server status queries
 - **Platform:** Linux, ksh, CGI, Perl, HTML, Java, JDBC, Servlets
- **Period:** 08.2000–06.2001
 - **Client:** Tourism Company
 - **Project:** STADAF V2.0 – Importer
 - **Activity:** Concept creation and development of the import application for loading fares into the "Start Fare Data" system (Informix-based) and the control tool for monitoring the loading process. Project management. Development of the control UI using Swing
 - **Platform:** Reliant UNIX, SUN Solaris, Informix IDS 7.30, C, Informix Object Interface for C++, Java, JDBC, Swing
- **Period:** 01.1999–06.2000
 - **Client:** Tourism Company
 - **Project:** Resource Manager
 - **Activity:** Development of various web tools and adjustment of existing ones for monitoring Informix databases and hardware resource utilization

- **Platform:** Linux, Perl, CGI, HTML, Informix
- **Period:** 01.1999–06.2001
 - **Client:** Tourism Company
 - **Project:** Informix and Oracle Database Administration
 - **Activity:** Administration of Informix database servers on production and development machines, installation of Informix and add-on software (including ODBC). Administration of Oracle 8i databases on Linux platforms
 - **Platform:** UNIX, NT, Informix 7.xx, Oracle 8i, ODBC
- **Period:** 02.1999–12.2000
 - **Client:** Tourism Company
 - **Project:** INFF
 - **Activity:** Further development, maintenance, and administration of the INFF flight consolidator fare query application. Further development and adaptation of the Start Middleware Framework (SMF)
 - **Platform:** UNIX, Informix 7.xx, C/C++, ESQL-C, Perl, ksh
- **Period:** 12.1998–12.1999
 - **Client:** Tourism Company
 - **Project:** INFX
 - **Activity:** Design, further development, maintenance, and administration of the INFX last-minute offer query application. Further development and adaptation of the Start Middleware Framework (SMF)
 - **Platform:** UNIX, Informix 7.xx, C/C++, ESQL-C, Perl, ksh
- **Period:** 10.1998–11.1998
 - **Client:** IT Service Provider (for a Telecom Company)
 - **Project:** Charger for Calling Cards
 - **Activity:** Complete development of the conversion program for calling card billing data (Charger)
 - **Platform:** NSK (NonStop Kernel), C, SQL
- **Period:** 07.1998–09.1998
 - **Client:** IT Service Provider (for a Bank)
 - **Project:** HBCI Function Server on Tandem
 - **Activity:** Design and development of the HBCI function server
 - **Platform:** NSK, Pathway, MQS, C, SQL
- **Period:** 04.1998–06.1998
 - **Client:** IT Service Provider (for a Bank)
 - **Project:** Euro for Online Banking
 - **Activity:** Migration of Deutsche Bank's existing online banking application to the EURO. Analysis, design, and development
 - **Platform:** NSK, Pathway, MQS, C, SQL
- **Period:** 01.1998–03.1998
 - **Client:** IT Service Provider (for a Bank)
 - **Project:** Online Data Access for Online Banking
 - **Activity:** Conversion of the existing online banking application to direct data access via the MQ Series interface. Customization of the application for the new MQ Series release. Analysis, design, and development
 - **Platform:** NSK, Pathway, C, SQL, Betex-Data, IBM MQ Series
- **Period:** 10.1997–12.1997
 - **Client:** IT Service Provider (for a Transport Company)
 - **Project:** NE/SEE for BTX
 - **Activity:** Design and further development of the BTX application for timetable information: stop lookup, regional/local transport (NE/See-Verkehr)

- **Platform:** C, SQL, Transmit
- **Period:** 07.1997–09.1997
 - **Client:** IT Service Provider (for a Telecom Company)
 - **Project:** Plusnet – International Access
 - **Activity:** Design and further development of the "Plusnet" calling card application: international access
 - **Platform:** NonStop Kernel, Betex-Data, C, SQL
- **Period:** 03.1997–06.1997
 - **Client:** IT Service Provider (for a Telecom Company)
 - **Project:** NAT VAN AS
 - **Activity:** Assistance with design and full development of the system for automated data transmission to multiple nodes in the X.25 network (NAT VAN AS)
 - **Platform:** NonStop Kernel, COBOL, C, SQL, X.25 programming
 - **Project Specifics:** Conducted in English; porting of a TAL server to C
- **Period:** 11.1996–03.1997
 - **Client:** IT Service Provider (for a Bank)
 - **Project:** Timetable Information via BTX
 - **Activity:** Further development of the BTX application for timetable queries, ticket ordering, and other features
 - **Platform:** Tandem NonStop Kernel, Pathway, COBOL, SQL
- **Period:** 07.1995–10.1996
 - **Client:** IT Service Provider (for a University)
 - **Project:** Third-Party Funds (Drittmittel)
 - **Activity:** Maintenance and further development of the system for booking and allocating donations for medical-scientific projects
 - **Platform:** SINIX, HP-UX, Informix 5.x, ESQL-C
- **Period:** 07.1995–10.1996
 - **Client:** IT Service Provider
 - **Project:** SINIX Administration
 - **Activity:** Installation, system administration of SINIX 5.12
 - **Platform:** SINIX 5.12
- **Period:** 06.1994–06.1995
 - **Client:** IT Service Provider
 - **Project:** Database Gateway (MOGABS)
 - **Activity:** Development of the LEASY server (BS2000), development of the gateway (OS/2), development of clients
 - **Platform:** C-Open Server on BS2000 (Sybase/Modus), C-Open Server on OS/2 (Sybase), PC-Visual Basic-ODBC