

Aaron Marc Schneider

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Experienced Full-Stack Developer & Java Specialist with over 25 years in software engineering — from enterprise-level systems to modern, modular architectures.
Strong background in developing scalable applications, service-oriented architectures, and end-to-end system integration.

Proficient in various roles — from development and architecture to project leadership and team coordination.
Skilled in analyzing and improving existing codebases with a focus on maintainability, performance, and clear interfaces.

Collaborative, technically hands-on, and solution-driven.

Work Experience

Full Stack Developer

sdbn Solutions GmbH - Karlsruhe

April 2019 - Present

Technologies: Angular, Java, Spring Boot, Azure, Git, OAuth2, Entra ID, Hibernate, Azure SQL, Azure Service Bus

- Development and enhancement of an in-house yard management platform (Angular + Spring Boot)
- End-to-end responsibility: frontend, backend, database, deployment
- Technical requirement discussions with product owners and implementation in Azure cloud
- Setup and maintenance of authentication mechanisms with OAuth2 & Entra ID
- Evaluation of new solutions regarding scalability and system configuration
- Support of QA team during test phases and bug analysis
- Automated CI/CD pipelines using Jenkins and Git

IT-Consultant als Senior Java Developer

sdbn Solutions GmbH - Zweibrücken

February 2011 - Present

Long-term assignments as external consultant and full-stack developer

- Technical projects for large clients in logistics, finance, taxation, and public administration
- Roles included: Full Stack Developer, Backend Developer, Architect, System Integrator
- Self-managed continuous learning and technology evaluation
- Representation of technical topics in client departments and management

Senior Java Developer (Consultant)

eurodata AG - Saarbrücken

January 2017 - March 2025

Industry: Tax / HR / SaaS

Technologies: Java, Spring Boot, Versant, PostgreSQL, Swing, Maven, IntelliJ, Git, Keycloak, Mockito

- Continued development of the payroll application *edlohn* in an agile Java team
- Implementation of complex modules (eAU, garnishment, euBP, pension schemes)
- Interface development with authorities and third-party providers (REST/SOAP)

- Setup of automated testing and ensuring functional consistency
- Technical responsibility for backend design and functional enhancements
- Direct collaboration with domain experts on legal and regulatory requirements
- Standardization of reporting formats (PDF, Excel, CSV)

Java Developer (Consultant)

HDP GmbH - Alzey

April 2013 - December 2016

Industry: Insurance / Public Sector

Technologies: Java, Oracle, DB2, H2, XML, UML, Scrum, Enterprise Architect, Geneva Framework, Cusa C5

- Development of an application for member and contribution management in statutory accident insurance
- Implementation of requirements according to architectural specifications
- Focus on database performance for large datasets
- Support of QA during testing and bug-fixing phases
- Close collaboration with domain experts for modeling complex business rules

Senior Software Developer, System Architect (Consultant)

SAP AG - Walldorf

Juni 2011 - März 2013

Industry: Retail / Financial

Technologies: Java, EclipseLink, Derby, Maven, Jenkins, JPOS, B1i, SAP Webservices, SVN, POS Hardware

- Architecture and further development of a POS system in SAP's Center of Excellence (Value Prototyping) — now known as SAP Customer Checkout
- Integration of SAP ERP systems (Business ByDesign, BusinessOne, SAP R3) via Web Services and IDocs
- Development of JAAS-based authentication, POS interfaces, and USB boot mechanisms
- Setup and maintenance of Jenkins CI and Maven projects
- Technical design of synchronization and data exchange processes across systems

Senior Full Stack Developer, Software Architect

abs GmbH - Saarbrücken

Januar 2009 - Januar 2011

Industry: Embedded Media / Home Automation / High-End Yachts

- Full-stack development (Java backend + GWT frontend); later integration of mobile clients
- Development of a fully integrated media system with custom server, set-top box, and iPad remote
- Crew access to a centralized music/video archive via a custom backend
- Collaboration with sister company for controlling onboard entertainment, lighting, and systems
- Design of communication architecture and control/sync APIs

Team Lead, Software Architect , Senior Software Developer

abs GmbH - Saarbrücken

June 2008 - January 2011

Industry: Healthcare IT

- Technical lead for backend development of hospital information systems (HIS)- Project responsibility for embedded and server-based solutions in medical facilities across Germany, France, and the Netherlands
- Designed a modular multi-tenant patient-facing platform integrating TV, radio, clinic info, internet access, and billing

systems

- Developed and integrated various payment systems (e.g. iDEAL, Sodexo, proprietary ATM modules)
- Led the integration of POS systems, user management, and device communication layers
- Built APIs for client-side communication (custom tablet systems, web clients, terminal devices)

Deputy Team Lead, Software Architect, Senior Software Developer

abs GmbH-Saarbrücken

January 2008 - June 2008

- Transitioned into team leadership; supported department head in architectural decision-making
- Worked closely with clients to coordinate technical rollouts
- Specified modular backend components with a focus on scalability and system stability

Software Developer

Software Developer

abs GmbH - Saarbrücken

April 2007 - December 2007

- Developed Java-based hospital applications
- Supported integration of medical and administrative hardware (e.g. patient terminals, server infrastructure)
- Built early prototypes of a multimedia patient platform for audiovisual services

Java Software Developer, Project Lead

Carl Zeiss Meditec Systems (formerly "hiko medical communications") - Pirmasens

July 2000 - March 2007

- Development of control and patient management software for ophthalmic imaging devices (fundus camera)
- Designed a proprietary XML-based protocol for remote control of the application via HTTP
- Enabled remote consultations via VPN (certified for use with public health insurers)
- Created and maintained XSLT transformations for structured output of medical data
- Implemented one of the first 3D visualizations in medical imaging (early-stage shutter-glasses prototypes)
- In-depth work with DICOM: tag interpretation, image data handling, metadata analysis
- Co-authored a modular XSD schema for extensibility and integration with various Zeiss medical devices
- Led interoperability-focused device integration aligned with healthcare IT standards

Education

Vocational Training: IT Specialist in Application Development

Agrologic AG - Zweibrücken

May 1998 - June 2000

- Training in the field of agricultural IT systems (Machinery Ring / Agri-logistics)
- Development of small tools and GUI components
- Gained first insights into enterprise architectures and data persistence concepts (e.g. atomic storage)
- Contributed to a web-based coordination platform for agricultural machinery and resource planning
- Assisted in prototyping a GPS-based tractor terminal for farm management
- Early exposure to non-relational databases and closed system architectures
- Actively participated in architecture discussions and development meetings

Technical Assistant in Computer Science (State-Certified)

Higher Technical School for Computer Science - Pirmasens

1996 - May 1998

(Final degree includes entrance qualification for University of Applied Sciences)

Languages

- **German** - Native
- **English** - Professional fluency (business-level)