SVEN RICHTER - PROFILE

Dipl. Ing. Mechatroniker / Master of Science

CURRENT POSITION

Head of IT Architecture & Development

PERSONAL DATA

Born: 1979-04-18
        in Karl-Marx-Stadt

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LANGUAGES
German: Mother tongue
Englisch: Negotiable
Russian: Basic knowledge

More than 20 years of practice in professional software development and more than 9 years of management experience in IT

CORE COMPETENCIES

- 9 years of experience as "Head of". Strong skills in organizing and structuring complex projects as well as building and leading agile teams.

- 12 years of experience as IT architect in the field of enterprise IT, energy industry, tourism and payment.

- more than 20 years of experience in software development, various fields (automotive industry, education, tourism, payment, energy industry, enterprise IT) with a variety of programming languages (Python, C, Java, VHDL, Pascal, Delphi, Modula, PHP, Perl, Bash, HTML, CSS, XSL, XSL-FO, JavaScript, Vue.js) and technologies (cloud, Linux)

PROFESSIONAL FOCUS

- Further development and implementation of the IT strategy

- Professional and disciplinary management of teams and employee development

- Design of a modern, future-proof, high-performance and scalable enterprise architecture

SOFT SKILLS

Team leadership
Transformational leadership of self-organized, cross-functional teams

Initiative
Further development of the organization and processes to increase employee satisfaction and efficiency

Self Motivation
Establishment of a highly automated build and test infrastructure and modularization of the software components to reduce the technical debts and establishment of the DevOps principle

INTERESTS

- Scuba-diving, Sailing, 3D-Printing

since Sep 2021	**Head of IT Architecture & Development, SENEC GmbH (Leipzig)** **Department Leadership** • Further development and implementation of the IT strategy through the development of an adequate IT architecture and support of the integration middleware. • Setting up, disciplinary and technical leadership of cross-functional, self-organized, agile teams of developers, IT architects and product owners. • Budget, resource management and the management of external service providers and freelancers. • Establishing an IT hub abroad (near shoring). **Enterprise/Solution Architect** • Construction and operation of an asynchronous, event-driven, real-time integration architecture in the Microsoft Azure Cloud with serverless, stateless mini-services. • Development and implementation of architecture principles and design patterns in cooperation with the community of practice. • Development and documentation of the holistic enterprise architecture with arc42 and c4model. • Establishment of continuous testing and deployment according to the DevOps principle in the development teams. • Infrastructure as code with Terraform to operate the cloud infrastructure.
May 2014 - Aug 2021	**Head of Python Dev Center Leipzig, Ypsilon.NET AG (Leipzig)** **Departmentlead** Establishment, support and development of the Leipzig company location. (18 employees in various project groups, professional and personal development of employees, staff appraisals, preparation of references). **Process optimisation** Establish agile processes with code review and unittests with Unittests with Continuos Integration to improve code quality and increase efficiency. **Technical Project Manager and Solution Architect** • Payment Service Provider (PSP) solution with support for several credit card acquirers (Elavon, Concardis - FirstData, B+S, Airplus, Amex). via GICC/GCACC and AmazonPay, Paypal, Barzahlen, Giropay. Strong Customer Authentication (SCA) implementation for PSD2 payment services directive. • PCI DSS (Level 1) filtering solution to replace the PAN with a token for protocols such as HTTPS, TOMA, SFTP, Terminal. Responsible for the certification regarding the topic's software/database/key management. • Fraud portal and ticket street for scoring and automatic booking processing/ticketing of transactions of multiple GDS or via XML API. using various technologies such as machine learning. Control frontend rewrite with Hexagonal Software Architecture.

Jul. 2009 - Mai 2014	**Senior Software Developer/Architect, Ypsilon.NET AG (Frankfurt a. M.)**
	Projects International booking system for the tourism industry (flight, hotel, car rental), Communication with multiple GDS and service providers (Amadeus, Sabre, Galileo, Farelogix, Travelport Universal API, ERV, HMRV, ELVIA), Payment Service Provider(GICC, Amex, BTA, GCACC, Airplus, Elavon, B+S).
	Technologies Python, Twisted-Python (asynchrone Netzworkprogramming), Flask, PHP, C, JavaScript, Vue.js, Linux, MacOSX, Postgresql, MySQL/MariaDB, RiakDB, Redis, Jira, Gitlab, Mattermost.
Apr. 2007 - Feb. 2008	**Industry-internship, BMW Group (Munich)** Forschungs- und Innovationszentrum (Department EA-403 - Subsystem test/adjustment electronics powertrain).
Apr. 2005 - Mar. 2007	**Software Developer, TraceTronic GmbH (Dresden)** http://www.tracetronic.de, Development on ECU-TEST (environment for generic test generation to check vehicle-specific distributed functions). - in particular test report generation and FlexRay integration.
Okt. 2002 - Mar. 2005	**Software Developer, Media Design Center (TU-Dresden)** http://www.bildungsportal-sachsen.de, Installation and administration of a learning platform, database analysis and generation of reports. The learning platform is based on SABA and is installed on a server with Redhat Linux. Oracle is used as the database.
Dec. 2001 - Dec. 2002	**Software Developer, Fraunhofer Institute for Transportation and Infrastructure Systems (Dresden)** Development and maintenance of standalone (Linux based) camera systems for traffic monitoring. (image enhancement, camera control, statistical acquisition, web based control, embedded system installation).

Studies

2001 - 2009	**Master study Mechatronic (TU-Dresden)**
	Degree: Master of Science - B (2.5)
	Semester abroad: James Cook University, Townsville, Australia
	Master thesis: TraceTronic GmbH and BMW Group, Munich (Department EI-71) „Development of a generic architecture concept for the integration of trace analysis components and measurement tools into a test automation environment" - A (1.4)
1999 - 2001	**Master study IT (TU-Dresden)**
1997 - 1998	**Military service, Braunschweig**
1992 - 1997	**Johannes-Kepler-Gymnasium, Chemnitz**
1985 - 1992	**Kurt Schneider school in Karl-Marx-Stadt (now Chemnitz)**