

**Stefan Streifeneder** (Age 57)

**Java SE/EE Fullstack Senior Developer/Architect**

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Munich/Germany, March 2024

Programming runs in our family. My mother was already programming in the 70s using Cobol and PL1 in the mainframe area. Within my computer science studies (from 1991), I began setting up databases based on SQL for insurance and real estate companies. After becoming a young father, I was forced to work instead of completing my studies. I pursued the activity as a database developer until the early 2000s.

From 2001, my field of activity expanded in connection with database systems and the internet and web (HTML, CSS, JavaScript). From 2002, I gained my first experiences with Java and its environment.

In 2005, I wrote my first client-server applications.

In early 2011, I entered the field of e-commerce.

In 2016, I also became caught up in the hype with cryptocurrencies, with blockchain technology having its special appeal.

For some time, I was increasingly confronted with Java Message Services and their implementation.

In recent years, agile programming in connection with container applications in various areas has been at the forefront.

Over the years, I have actually implemented all the functionalities provided by Java, Java EE, and Java ME, whether on the backend side or represented through graphical interfaces (Swing, JavaFX, or web with JSP, JSF).

I do not shy away from difficult tasks or larger projects.

Stefan Streifeneder

# Technisches Profil

## **Process/Development Management:**

SCRUM, DevOps, Microservices, REST, agile Softwareentwicklung, Waterfall

## **Container Environment:**

Kubernetes, Docker

## **Frameworks:**

JavaServer Faces, JSP, Swing, JavaFX, Spring, .NET Framework, Qt

## **Databases (SQL):**

Oracle (11g - 19c), MySQL, Java DB (Derby), MongoDB, SQL Server, Access

## **Databases(nosql):**

PostgreSQL, MongoDB

## **Programming Languages:**

Java(Java SE, Java EE), C++, C#

## **Web:**

HTML 5.0, JSP, JSF, JavaScript, TypeScript, Node JS, Angular, AngularJS, Ajax, Bootstrap, CSS, JQuery, React, CSS, XML, XSL, JSON

## **WebServer:**

WebLogic, JBoss/WildFly, WebSphere, Apache Tomcat, Jetty, Google App Engine, Glassfish

## **IDE:**

Net Beans, Eclipse (Maven), IntelliJ IDEA, JDeveloper, Visual Studio, Embarcadero, QT Creator

## **Modelling:**

UML 2.0/2.5

## **Testing:**

Junit, Jira

# Projecthistory 2024 - 1999

**Period: 22/4 - 23/12**

Client: DB Systel

Industry: transport, tourism

Position: Scrum Developer (Lead)

Type: Freelancer

Project Description:

Development of a customized sales platform using Java EE to optimize the sales process and increase efficiency within the company. The project will be carried out using agile methods to enable flexible development and adaptation to changing requirements.

- Creation of sales software.
- Establishment of a proprietary platform.
- Implementation of automated testing procedures.
- Agile programming using, among other things, microservices.
- Requirements analysis and concept development.
- Development of a robust and scalable architecture for the platform considering Java EE best practices.
- Design of the user interface for an intuitive and user-friendly experience for sales representatives and customers.
- Agile development of the platform in iterations (sprints) to enable rapid progress.
- Use of Java EE technologies such as Servlets, JSP, EJB, JPA, etc., for backend development.
- Integration of frameworks and libraries for additional functionalities such as authentication, authorization, database access, etc.
- Continuous integration and automated testing to improve development processes.
- Deployment of the sales platform in the production environment considering scalability and security.
- Agile further development based on user feedback and changing business requirements.

Techniques:

Host: MS Azure

Server: Weblogic, Apache Tomcat

OS: Solaris, Debian

Databases: Oracle (11c), MySQL

Agile Programmierung: Microservices, REST

DevOps Tools: Kubernetes, Jenkins, Maven

Frameworks: JSF, JSP

Web: HTML 5, Node JS, Angular, JavaScript

**Period: 2023/4**

Client: Unistudio

Industry: ad agency

Position: Senior Architect

Type: Freelancer

Project Description:

The goal of this project is to set up a robust and scalable Payara Server Linux cluster capable of hosting and managing containerized web applications. The cluster is intended to be highly available and facilitate efficient scaling to meet the demands of web application traffic.

- Requirements Analysis: Capturing the requirements for the web applications in terms of resource needs, scalability, and availability.
- Infrastructure Planning: Planning the cluster architecture, including the number of nodes, network configuration, and storage requirements.
- Procurement and Hardware Setup: Procuring the necessary hardware according to the infrastructure plan and installing the Linux operating system on the servers.
- Software Installation: Installing Payara Server on each cluster node and setting up the containerization environment (e.g., Docker).
- Cluster Configuration: Configuring the Payara cluster for automatic detection and management of containerized web applications, including load balancing and automatic scaling.
- Security Configuration: Implementing security measures such as firewalls, encryption, and access control for the cluster.
- Monitoring and Logging: Setting up monitoring and logging tools to monitor cluster performance and troubleshoot issues.
- Testing and Validation: Conducting comprehensive tests to ensure that the cluster functions properly and meets the requirements.

Techniques:

Host: STRATO

Server: Payara Server, Glassfish

OS: Linux/Debian

Databases: MySQL, Java Derby

DevOps Tools: Kubernetes, Docker

Frameworks: JSF, HTML 5, Node JS, Angular, JavaScript

**Period: 2021/8 - 2022/2**

Client: TS Finanz

Industry: Finanz und Versicherungsbranche

Position: Lead Senior Developer

Type: Freelancer

Project Description:

Development of a customized cryptocurrency platform using Java EE, which allows users to trade cryptocurrencies in real time, with an integrated Analysis function and interface connections to other exchanges.

- Gathering requirements for the cryptocurrency platform through stakeholder interaction and market analysis.
- Developing a detailed concept outlining the architecture, features, and interfaces of the platform.
- Integrating real-time analytics capabilities and connections to other exchanges.
- Designing a scalable and secure architecture for the platform enabling real-time cryptocurrency trading.
- Designing the user interface for a user-friendly trading experience and analytical tools for market monitoring.
- Agile development of the platform using Java EE technologies for backend components and database access.
- Implementing interface connections to other exchanges for cryptocurrency trading and exchange.
- Extracting, provisioning, and enriching Big Data with analytical tools.
- Conducting comprehensive tests, including functional, performance, and security tests, to ensure the quality of the platform.

Techniques:

Host: Strato

Server: Glassfish

OS: Debian

Agile Programmierung: Microservices, REST

DevOps Tools: Docker, Maven

Framework: JSf, JSP

Web: HTML 5, Angular, JavaScript

Databases: MySQL, Java Derby

Standalone-GUI: Swing, JavaFX

**Period: 2020/10 - 2021/8**

Client: WKM

Branche: Healthcare industry

Position: Scrum Developer (Lead)

Project Description:

Development of an integrated platform with Java EE, encompassing an Enterprise Resource Planning (ERP) system, e-commerce functionalities, and various payment methods. The project aims to create a comprehensive business management tool that assists companies in efficiently managing their resources, boosting online sales, and offering various payment methods.

- Gathering requirements for the ERP system, e-commerce functionalities, and payment methods through stakeholder interaction.
- Developing a detailed concept describing the architecture, features, and integrations of the platform.
- Designing a scalable and modular architecture for the platform enabling integration of ERP, e-commerce, and payment methods.
- Designing the user interface for seamless usage and an engaging shopping experience for customers.
- Agile development of the platform using Java EE technologies for backend components and database access.
- Implementing ERP modules for resource planning and management, including inventory management, order processing, accounting, etc.
- Developing e-commerce functionalities such as product catalog, shopping cart, order management, customer management, etc.
- Integrating various payment methods such as credit cards, PayPal, Klarna, bank transfers, etc.
- Conducting comprehensive tests to ensure the quality and security of the platform.
- Functional, performance, and security tests as well as user tests for optimal user experience.
- Deploying the platform in the production environment with a focus on security and scalability.
- Continuous maintenance of the platform, including bug fixing, performance enhancements, and security updates.

Techniques:

Host: AWS, On-Premises (Hybrid)

Server: Websphere, Glassfish

OS: Solaris, Debian

Microservices: REST

DevOps Tools: Docker, Maven

Frameworks: JSf, JSP

Web: HTML 5, Angular, JavaScript

Databases: MySQL, Oracle 12, PostgreSQL

Standalone-GUI: Swing, JavaFX

**Period: 2019/1 - 2020/8**

Client: TTTech (BMW affiliate)

Industry: Marketing (Automotive)

Position: Scrum Developer (Teamleiter)

**Project Description:**

Development of a specialized platform with Java EE for a closed exchange marketplace, enabling users to exchange goods among themselves. Additionally, the platform is intended to facilitate advanced inventory management at various locations, utilizing a neural network for optimizing inventory levels.

- Gathering requirements for the closed exchange marketplace and inventory management through stakeholder interaction.
- Developing a detailed concept describing the architecture, features, and integrations of the platform, including the neural network for inventory optimization.
- Designing a robust and scalable architecture for the platform supporting the business logic of the exchange marketplace and inventory management.
- Designing the user interface for an intuitive and user-friendly experience for users participating in the platform.
- Agile development of the platform using Java EE technologies for backend components and database access.
- Implementing exchange marketplace functionalities, including user management, offer management, transaction processing, etc.
- Developing a neural network for analyzing inventory levels and generating optimization recommendations.
- Integrating inventory management functionalities into the platform, including inventory tracking, location management, supply chain management, etc.
- Integrating the neural network for automatic inventory optimization based on historical data and current conditions.
- Conducting comprehensive tests to ensure the quality and performance of the platform, including functional tests, performance tests, and user tests.
- Testing the neural network to validate its accuracy and reliability in inventory optimization.
- Deploying the platform in the production environment considering security and scalability.
- Training users for effective utilization of the platform and its features, including participation in the exchange marketplace and management of inventory.
- Continuously improving the neural network and platform functionalities based on user feedback and changing business requirements.

**Techniques:**

Host: Oracle Cloud

Server: Weblogic, MS Azur

OS: Solaris, Debian

Microservices: REST

DevOps Tools: Kubernetes, Jenkins, Docker, Maven

Frameworks: JSf, JSP

Web: HTML 5, Angular, JavaScript

Databases: MySQL, Oracle 12, PostgreSQL

**Period: 12/2018 - 01/2016**

Client: FTI

Industry: Marketing (oil industry)

Position: Consultant, Lead Developer, SCRUM – Product Owner  
Developing cryptocurrency based on Ethereum

Project Description:

- Development of an ERP system for the storage, transportation, loading, and unloading of mineral oils.
- Creation of a DMS for the distribution of mineral oils.
- Implementation of a throughput measurement system for monitoring loading and unloading operations.
- Establishment of a cryptocurrency.

Techniques:

Development: REST, agile Softwareentwicklung, Waterfall, DevOps

Frameworks: Spring Boot 2, JavaServer Faces

Modelling tool: UML 2.5

Databases: MySQL, MongoDB (nosql), SteveDB (nosql)

Programming languages: Java SE/EE, C++

Web: HTML/HTML 5.0, JavaScript, XML, XSL, web3j, Ethereum, JSON-RPC

WebServer: Apache Tomcat, Glassfish

IDE: IDE Net Beans, Eclipse (Maven), Visual Studio

**Period: 6-7/2017**

Client: ML Light

Industry: lightning engineering

Position: Lead Developer

Techniques:

C++, Control by USB-Interface

Project Description:

Steuerung einzelner LEDs über eine grafische Oberfläche bei Zugriff über USB-Schnittstellenkarte

**Period: 12/2015 – 01/2011**

Client: Franta Soft

Industry: IT

Position: Lead Developer

Project Description:

- Erstellung von persistenten Datenbank Management Systemen (DBMS), basierend auf selbsterstellten Interfaces (Backend)
- Erstellung einer Java Standalone Applications als Teil des DBMS (Frontend)
- Erstellung eines eigenen Kommunikationsnetzes basierend auf FTP
- Erstellung von Websides zur persistenten Kommunikation mit Datenbanken wie Oracle, MySQL,

MongoDB oder selbsterstellten nosql-Datenbanken basierenden auf einem selbsterstellten Interface

Techniques:

Prozess/Entwicklungs-Optimierung: SCRUM, REST, agile Softwareentwicklung, Waterfall

Frameworks: Sprin, JavaServer Faces

Modellierungstool: UML 2.0

Datenbanken: Oracle, MySql, MongoDB (nosql), SteveDB(nosql)

Programmiersprachen: Java SE/EE, C++

Web: HTML/HTML 5.0, JavaScript, XML, XSL

WebServer: Apache Tomcat, Glassfish

Entwicklungsumgebung: IDE Net Beans, Eclipse (Maven)

**Period: 2010-2011**

Client: CareLogic

Industry: Gesundheit

Position: Lead Developer

Techniques:

Techniken: C#, Asp net, SQL Server

Project Description: Erstellen eines einheitliche  
ERP Management System

**Period: 2009**

Client: Telekom

Industry: Steuerung von Regeltechnik im virtuellen Raum

Position: Lead Developer

Techniques:

Java SE und EE, JSP, MySQL

Project Description: Steuerung eines Breitbandrouters  
im virtuellen Raum

**Period: 2008**

Client: MusicSoft

Industry: Music

Position: Lead Developer

Techniques:

C++

Project Description: Steuerungstechnik/Messtechnik

**Period: 2007**

Client: Varying Clients

Industry: IT

Position: Database Developer, Web Design, Dynamic Web Sides

Techniques:

MySQL, JSP, HTML, CSS, JavaScript, Java

Project Description: Web

**Period: 2007**

Client: Dekra

Industry: IT

Position: Education

Techniques: C++, Java EE

Project Description: Continuing Education

**Period: 2004-2006**

Client: Basisplan

Industry: IT

Position: Daten Bank Entwickler, Web Design, Dynamische Web Sides

Techniques: MySQL, HTML, CSS, JavaScript, Java EE

Project Description: Web

**Period: 2003-2004**

Client: MSP Architekten

Industry: Architecture, consturction

Position: Lead Developer

Techniques:

Techniken: MS Access, CAD mit proprietärer Umgebung, HTML, JavaScript

Project Description:

- Design and implementation of an MS Access database.
- Creation of a website (HTML, JavaScript).
- Project archiving, access through client-server environment.

**Period: 2001-2003**

Client: Plan und Projekt

Industry: Real Estate

Position: Lead Developer

Techniques:

MS Excel, MS Access, HTML, Java SE

Project Description:

- Design and implementation of an MS Access database.
- Creation of homepages (HTML).
- Java standalone applications.

**Period: 1999**

Client: BIZ

Industry: Real Estate

Position: Database Developer

Techniques:

MS Excel, MS Access

Project Description:

Conception and implementation of an MS Access database within a Windows environment with direct access via a server.

# Sun™ Certification



Stefan Streifeneder

Sun Certified Programmer for the Java Platform, SE 5.0

March 31, 2009

A handwritten signature in black ink, appearing to read "Jonathan I. Schwartz".

Jonathan I. Schwartz, Chief Executive Officer and President, Sun Microsystems, Inc.

A handwritten signature in black ink, appearing to read "Karie Willyerd".

Karie Willyerd, Vice President and Chief Learning Officer, Sun Learning Services

# Zertifikat

**Herr Stefan Streifeneder**

geboren am 20.04.1966 in München

nahm an der beruflichen Qualifizierungsmaßnahme

**IT-p.r.o.f.i.**

**TrainingCenter mit innovativen Lernmethoden**

**Softwareentwicklung mit C/C++ und Java**

„mit sehr gutem Erfolg“ (93 von 100 Punkten)  
bei der DEKRA Akademie GmbH in München teil.

Der Lehrgang fand in der Zeit vom 19.06.2006 bis 22.06.2007 statt.  
Die tägliche Unterrichtszeit betrug 9 Unterrichtseinheiten

München, den 29.06.2007

*Mansiz Cemil*  
Lehrgangsleitung



*Stefan Streifeneder*  
Ablösungsleitung

