Karl Weber

Senior Software Engineer

SUMMARY

A Full Stack Developer with **over 8 years of experience** in **designing**, **developing**, and **maintaining** scalable **web & AI applications**. Worked with **modern technologies**, **frameworks**, and **cloud services**. Passionate about **creating efficient code**, **enhancing user experience**, and **collaborating with cross-functional teams** to deliver high-quality software solutions.

WORK EXPERIENCE

TechSolutions GmbH, Hambrug, Germany

Senior Software Engineer   06/2021 – Present

- Spearheaded the development of a comprehensive customer portal that serves over **200,000 users**, enhancing the overall user experience by optimizing the codebase, which resulted in a **30% improvement** in load times and faster access to features.
- Designed and implemented a microservices architecture for the backend using **Node**.js, deployed on **AWS Lambda**, which significantly enhanced the system's scalability and flexibility.
- Developed and integrated real-time features utilizing **WebSockets**, significantly improving live notifications and chat functionalities for a more seamless and responsive user experience.

Innovatech AG, Munich, Germany

Software Developer   03/2017 – 05/2021

- Developed a **scalable e-commerce platform** featuring an **Angular** frontend and **Django** backend, capable of processing over **1 million** transactions per month.
- Automated **deployment processes** by implementing **Jenkins** and **Docker**, which reduced **deployment time** by **40%** and enhanced overall system **reliability** and **scalability**.
- Successfully integrated **PayPal**, **Stripe**, and **Square payment gateways** while optimizing the **checkout workflow** with real-time validation and simplified steps, leading to improved transaction security and a significant decrease in **cart abandonment**.

WebWorks GmbH, Hamburg, Germany

Junior Web Developer   01/2015 – 02/2017

- Built and maintained company websites using **HTML**, **CSS**, and **JavaScript**, ensuring they looked great and functioned smoothly on all devices while working closely with designers and team members to add new features and improve user experience.
- Helped migrate older **PHP** applications to modern PHP frameworks like **Laravel** or **Symfony**, which made the code easier to maintain, more secure, and quicker to update.

CONTACT

- Berlin, Germany
- carldev303@gmail.com

SKILLS

Frontend:
- React.js
- Angular
- Vue.js
- HTML5
- CSS3
- JavaScript
- TypeScript

Backend:
- Node.js
- Python (Django, Flask, CherryPy, Bottle, Pyramid)
- PHP (Laravel, CafePHP, CI, Zend)

Database:
- MySQL
- PostgreSQL
- MongoDB
- Oracle
- SQLite

Machine Learning:
- TensorFlow
- Scikit-learn
- PyTorch
- NumPy
- Pandas

EDUCATION

Technical University of Munich (TUM)

Bachelor of Science in Computer Science
Munich, Germany
10/2010 - 12/2014

Certifications

- API Prototyping Learning Path
- Career Essentials in Generative AI
- Learning Microsoft Power BI
- Neural Networks and Deep Learning
- Real Life Machine Learning and Data Science Project.