

Shoaib Sarwar

Software Engineer | Developer Tooling & Engineering Workflows

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PROFESSIONAL SUMMARY

Software Engineer with 8+ years of experience building and maintaining production software across web applications, developer tooling, CMS platforms, APIs, databases, and Linux-based environments. Experienced across the software development lifecycle, from frontend and backend implementation through debugging, deployment, CI/CD, infrastructure, and production support.

Hands-on experience with PHP, Symfony, JavaScript/TypeScript, React, Node.js, Docker, DDEV, Git/GitLab/GitHub, Jenkins, REST APIs, MySQL/MariaDB/PostgreSQL, and Linux. Currently working on production client systems and internal tooling in Germany while completing an M.Sc. in Applied Computer Science.

Particularly interested in developer productivity, AI-assisted software development, engineering workflows, and tools that help developers build and ship software more effectively.

PROFESSIONAL EXPERIENCE

Web Developer — LUPCOM media GmbH 2024 – Present
Germany

- Develop and maintain production web systems and client platforms using PHP, Symfony, Contao, WordPress, Twig, JavaScript, TypeScript and React.
- Translate Figma designs and functional requirements into responsive, production-ready frontend implementations using JavaScript, React, HTML, Sass and Bootstrap.
- Build and maintain custom Contao modules, templates and extensions for client websites and CMS portals.
- Develop a monitoring dashboard using React, Node.js, PostgreSQL and MariaDB, connecting frontend workflows with backend services and databases.
- Work across REST APIs, relational databases, Docker, DDEV, Composer, Git, GitLab and CI/CD in an agile development environment.
- Troubleshoot production and development issues across application code, databases, dependencies, local environments and deployment workflows.
- Collaborate across development and project workflows to turn technical requirements into maintainable production solutions.

Junior Software Engineer — rexx systems 2023
Germany

- Developed and maintained PHP modules for production HR portal applications.
- Investigated application issues and implemented backend and frontend fixes to improve portal stability.
- Optimized MySQL-backed application features and supported database-related troubleshooting.
- Worked with Jenkins, Git and Linux-based development environments as part of software delivery workflows.

Working Student — DESIGNBÜRO PERSCH 2022
Germany

- Planned and implemented WordPress website architectures, including custom themes and plugins.
- Integrated application databases, hosting environments and production services.
- Monitored live website performance and supported security, compliance and maintenance activities.
- Worked with PHP, JavaScript, MySQL, Git, cPanel, HTML/CSS and SEO-oriented web architecture.

Web Developer — Intersoft AI 2020
Pakistan

- Implemented 30+ frontend features using HTML, CSS and JavaScript for production web projects.
- Investigated and fixed defects across frontend and backend integrations.
- Worked with jQuery, Bootstrap, AJAX, PHP, MySQL and Git in client development workflows.
- Adapted quickly to new technologies and project requirements while working on live production systems.

WordPress Developer — Institute of Modern Languages Lahore 2019
Pakistan

- Developed and maintained education-focused WordPress websites using PHP, HTML, CSS, JavaScript and MySQL.
- Built custom website functionality and supported deployment and database optimization.
- Used Git, Bitbucket and Docker within development and deployment workflows.
- Created supporting digital assets using Photoshop, Illustrator and Adobe XD.

Junior Software Engineer — Codility Solutions 2018
Pakistan

- Developed Ruby on Rails backend components for production web applications.
- Designed and maintained MySQL data models and database-backed application functionality.
- Integrated third-party services and REST-style interfaces.
- Worked with Git and Linux throughout the development lifecycle.

SELECTED PROJECTS

Website Toolkit — Developer Tooling
JavaScript · Manifest V3 · Browser APIs · Chrome · Firefox

- Privacy-first browser developer toolkit designed for local website diagnostics.
- Built functionality for technology/CMS detection, performance analysis, accessibility checks, font and color inspection, and bug reporting.

- Designed the extension around local page scanning and browser APIs rather than sending page content to external services.
- Published on the Chrome Web Store and Firefox Add-ons.
- Demonstrates hands-on experience building developer-facing tooling and browser-based engineering workflows.

Corporate Contao / CMS Platforms

PHP · Symfony · Contao · Twig · Docker · Git

- Developed custom Contao modules, templates, themes and extensions for production client platforms.
- Worked across application code, CMS configuration, databases, local containerized environments and deployment workflows.
- Maintained reusable solutions across multiple client projects.

ExpensesCalc

JavaScript · Web Application

Personal web application for organizing and calculating travel expenses (expensescalc.com).

- Designed and implemented a production-oriented web application with a focus on usability, data handling and maintainability.

Productivity Pro Alarm

JavaScript · Manifest V3 · Chrome Extension APIs

Chrome extension for break reminders and focused work workflows. Published on the Chrome Web Store.

TECHNICAL SKILLS

Software Engineering: PHP, JavaScript, TypeScript, HTML, CSS, Sass, REST APIs, SOLID, PSR-12

Frameworks & Platforms: Symfony, Contao, WordPress, Twig, React, Node.js, Ruby on Rails, Shopware

Developer Tooling & Workflow: Git, GitHub, GitLab, Docker, DDEV, Composer, Jenkins, CI/CD, browser APIs, Manifest V3

Databases: MySQL, MariaDB, PostgreSQL

Infrastructure & Systems: Linux, Windows, macOS, networking, servers, hosting environments, Portainer

Engineering Practices: Agile development, debugging, production support, API integration, database troubleshooting, responsive development

Design & Collaboration: Figma, Adobe Photoshop, Adobe Illustrator, Adobe XD

EDUCATION

M.Sc. Applied Computer Science — FH Schmalkalden

2022 – Present

Germany · Focus: applied computer science, software engineering and modern development practices

B.Sc. Computer Science — University of Gujrat

Pakistan · Focus: algorithms, data structures, databases and computer networking

CERTIFICATIONS

- Google IT Support Professional Certificate (v3) — Coursera, 2026
- IT Service Management: ISO/IEC 20000-1 — LinkedIn, 2023

LANGUAGES

English: C1 · German: B1 / currently progressing toward B2