

Saqib Sohail

Senior Full-Stack Engineer

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Summary

Senior frontend-leaning full-stack engineer with 8+ years of experience delivering production web applications across civic-tech, nonprofit and early-stage product environments. Deep expertise in React, Next.js and TypeScript, with hands-on backend experience in Django, FastAPI, Node.js and Ruby on Rails. Experienced in application-level system design, service integration, legacy modernisation, accessibility and performance.

Core Expertise

Frontend: React, Next.js, TypeScript, JavaScript, Vue.js, Nuxt.js, HTML, CSS

Backend: Python, Django, FastAPI, Node.js, Ruby on Rails, REST APIs

Data and applied AI: PostgreSQL, MySQL, vector databases, RAG, LLM integration

System design and delivery: application architecture, API design, service integration, CI/CD, automated testing

Experience

Senior Full-Stack Engineer, Velsa Technologies, Berlin

08/2025 - 05/2026

Tech Stack: React.js, FastAPI, Python, Django, LLM, RAG, Stripe

- Designed the application architecture and integration flow for an AI-assisted contract workflow connecting a React/TypeScript editor, Django backend and FastAPI AI service.
- Owned end-to-end delivery across the editor, application backend, AI service and production integration.
- Built a browser-based contract editor supporting merge fields, inline option controls and conditional clauses.
- Developed a conversational workflow that collected structured input and populated contract content through backend APIs.
- Designed and deployed a FastAPI service integrating LLM inference and vector retrieval with the existing Django platform.
- Integrated Stripe payment and webhook flows for contract purchasing and controlled document access.

Front-End Developer, Tactical Tech (NGO), Berlin, Remote

08/2019 - 04/2025

Tech Stack: React.js, Vue.js, Next.js, Nuxt.js, TypeScript, WCAG 2.1

- Owned frontend architecture, delivery and modernisation decisions across 5+ public-facing platforms used by international audiences, researchers, educators and civil-society organisations.
- Migrated 3 legacy applications to Next.js and Nuxt.js, reducing initial load times by 30% through code splitting, lazy loading and frontend optimisation.
- Refactored the Decap CMS content architecture, reducing editorial workflow time by more than 50% and improving maintainability for non-technical content teams.
- Partnered with product, design, research and editorial teams to translate complex requirements into accessible, maintainable frontend systems, contributing to WCAG 2.1 AA compliance.

Full-Stack Developer (Working Student), Durch die Stadt GmbH, Berlin

06/2018 - 08/2019

Tech Stack: Ruby on Rails, Vue.js, Nuxt.js, PostgreSQL, Mapbox

- Designed RESTful APIs in Ruby on Rails and integrated them with Vue.js and Nuxt.js frontends using Vuex state management.
- Built modular responsive UI components with Bulma CSS and BEM methodology for scalable styling.
- Developed immersive 360-degree city and retail exploration portals using Mapbox, Leaflet, and KRPano.

PHP Developer (Working Student), TurboAd GmbH, Berlin

01/2018 - 05/2018

Tech Stack: Symfony 3, PHP 7, PHPUnit, Doctrine ORM, MySQL

- Built web applications with Symfony 3 and Doctrine ORM for relational data modeling and query optimization.
- Improved code reliability through test-driven development with PHPUnit on critical application paths.

Ruby on Rails Developer (Freelance), Octasolutions, Gujranwala

01/2016 - 11/2016

Tech Stack: Ruby on Rails, MySQL, JavaScript, Bootstrap

- Built full-stack web applications with admin dashboards, role-based authentication, and responsive frontends.

Open Source Projects

Jobs Tracker Bot: <https://github.com/saqibroy/jobs-tracker-bot> - Python, GitHub Actions, Docker; async aggregator monitoring 11 remote job boards with NGO role classification and Discord/Telegram alerts.

Web Crawler Dashboard: <https://github.com/saqibroy/web-crawler-dashboard> - React, Go, Docker; URL analyzer with broken-link detection, heading analysis, login-form detection, real-time crawl status, and JWT authentication.

Accessibility Microservice: <https://github.com/saqibroy/accessibility-check-microservice> - Node.js, JSDOM; lightweight WCAG 2.1 A/AA scanner for static HTML and AI-enriched accessibility reports.

Education

Graduate coursework in Computer Science, Technische Universitaet Berlin, Berlin, Germany

04/2017 - 12/2020

Coursework: Machine Learning, Database Systems, Computer Graphics, Advanced Web Development

B.Sc. Computer Science, GIFT University, Gujranwala, Pakistan

09/2011 - 10/2015

Coursework: OOP, Data Structures, Database Systems, Web Programming, Software Engineering

Leadership Experience

President, Pakistan Student Association, Berlin, Germany

09/2018 - 09/2019

Organized welcome events for 100+ new students and coordinated sports events including cricket tournaments.

Languages

English: Professional working proficiency | German: B1 certified | Urdu and Punjabi: Native