



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 & AI	PostgreSQL, MySQL, vector databases, RAG, LLM integration
Architecture	application architecture, API design, service integration, CI/CD, automated testing

| Experience

- 08/2025–05/2026 • **Senior Full-Stack Engineer, Velsa Technologies, Berlin**
- **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
- 08/2019–04/2025 • **Front-End Developer, Tactical Tech (NGO), Berlin (Remote)**
- **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
- 06/2018–08/2019 • **Full-Stack Developer (Working Student), Durch die Stadt GmbH, Berlin**
- **Ruby on Rails** ■ **Vue.js** ■ **Nuxt.js** ■ **PostgreSQL** ■ **Mapbox**
 - Designed RESTful APIs in Ruby on Rails and integrated them with a Vue.js/Nuxt.js frontend using Vuex for state management
 - Built modular, responsive UI components with Bulma CSS and BEM methodology for scalable, maintainable styling
 - Developed immersive 360° city and retail exploration portals using Mapbox, Leaflet, and KRPano
 - Maintained high test coverage with RSpec and Jest, enforcing code quality through CI pipelines
- 01/2018–05/2018 • **PHP Developer (Working Student), TurboAd GmbH, Berlin**
- **Symfony 3** ■ **PHP 7** ■ **PHPUnit** ■ **Doctrine ORM** ■ **MySQL**
 - Built web applications using Symfony 3 with Doctrine ORM for relational data modelling and query optimization
 - Ensured code reliability through Test-Driven Development with PHPUnit, achieving high coverage on critical paths

01/2016–11/2016

Ruby on Rails Developer (Freelance), *Octasolutions*, Gujranwala

○ **Ruby on Rails** ■ **MySQL** ■ **JavaScript** ■ **Bootstrap**

○ Built full-stack web applications with admin dashboards, role-based authentication, and responsive front-ends

| Open-Source

○ **Jobs Tracker Bot**, *github.com/saqibroy/jobs-tracker-bot*, Python, GitHub Actions, Docker
Async aggregator that monitors 11 remote job boards, classifies NGO roles, and sends rich Discord/Telegram alerts, with CI/CD deployment to Oracle Cloud

○ **Web Crawler Dashboard**, *github.com/saqibroy/web-crawler-dashboard*, React, Go, Docker
Full-stack URL analyser with a Go/Gin backend and React dashboard that detects broken links, heading structure, and login forms with real-time crawl status and JWT auth

○ **Accessibility Microservice**, *github.com/saqibroy/accessibility-check-microservice*, Node.js, JSDOM
Lightweight WCAG 2.1 A/AA scanner that audits static HTML without a headless browser, powering AI-enriched accessibility reports

| Education

04/2017–12/2020

Graduate coursework in Computer Science, *Technische Universität Berlin*, Berlin, Germany

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

09/2011–10/2015

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

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

| Volunteer & Leadership

09/2018–09/2019

President, *Pakistan Student Association*, Berlin, Germany

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

09/2012–10/2012

Emergency Volunteer, *Punjab Emergency Service (Rescue 1122)*, Gujranwala, Pakistan

Basic Life Support and Fire Safety training; practical experience in first aid (CPR) and emergency response

| Languages

English Professional working proficiency

German B1 certified

Urdu, Punjabi Native