Zubair Khalid

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Legally entitled to work in the UK, no sponsorship required.

Full-Stack Software Engineer with over 4 years of experience building and maintaining scalable web applications. Specialises in front-end and back-end development using TypeScript, JavaScript, React, Express, and Node.js, with a strong emphasis on ownership, readable code, collaboration, and delivering end-to-end features. Skilled in SQL and NoSQL database design, RESTful API development, unit and integration testing, CI/CD pipelines, Docker, GitHub Actions, and cloud platforms including AWS, GCP, and Virtual Private Servers (VPS). Experienced in mentoring developers and conducting thorough code reviews to improve overall code quality.

Skills

Backend: TypeScript, JavaScript, Express, RESTful APIs, Node.js, OAuth 2.0, JWT, Authentication, Authorisation
Frontend: React, Tailwind CSS, Next.js, React Query, Vue.js, Nuxt, HTML
Database & Caching: PostgreSQL, MongoDB, Redis, SQL, NoSQL, Database design, Data modelling
DevOps & Cloud: CI/CD, Docker, GitHub Actions, AWS, Google Cloud Platform (GCP), DigitalOcean, Firebase
Testing: Jest, Vitest, Mocha/Chai, Unit testing, Integration testing
Monitoring & Observability: Sentry, PostHog, Logging, Error monitoring, Performance monitoring
Version Control: Git, GitHub

Work Experience

Full-Stack Developer | Hulee LTD, Salford**,** Greater Manchester, UK   *Oct 2025 - Dec 2025*

- Implemented and documented centralised logging, monitoring, and error tracking Node.js service in JavaScript using Sentry, improving visibility into production issues and post-deployment debugging.
- Optimised Express REST API endpoints, identifying V8 performance issues and improving response times by up to 3x under production load.
- Integrated Xero Payroll REST APIs into a multi-tenant Vue.js and Node.js platform, enabling automated employee synchronisation and timesheet management.

Full-Stack Engineer | Sage Studios AI, Remote   *Aug 2024 - Jul 2025*

- Integrated DeFi trading and analytics APIs with AI agents using Node.js, enabling agentic trading workflows and contributing to an average 4x increase in gross weekly revenue (~$3,800 to ~$16,000) over a three-month period.
- Designed and deployed cloud infrastructure on DigitalOcean, containerised Node.js services using Docker, and implemented CI/CD pipelines with GitHub Actions.
- Improved LLM tool execution pipelines using prompt optimisation and typed schemas written in TypeScript, doubling tool selection accuracy and third-party API call success rates.
- Delivered backend and frontend features across 100+ GitHub issues using TypeScript, React, and Node.js, including API development, bug fixes, and performance improvements, in collaboration with the product team.
- Built an event-driven, no-code AI automation platform using TypeScript, React, Express, and Node.js, onboarding 150+ users within a month.
- Identified and fixed development build bottlenecks using TypeScript JIT compilation and hot reloading, reducing average build time from 5 minutes to a few seconds.

Full-Stack Freelancer | Remote   *Apr 2023 - Aug 2024*

- Developed a Node.js and Next.js e-commerce order fulfilment system, contributing to over £10,000 in client revenue.
- Built a React Progressive Web App (PWA), integrated with .NET backend APIs, serving 500+ monthly active users.
- Implemented a serverless backend using TypeScript, Node.js, and Firebase, handling 10,000+ monthly requests.

Software Developer | Blockchain Security Lab, Lahore, Pakistan   *Sept 2021 - Jan 2023*

- Led a 3-person team to develop a decentralised SSL certificate issuance platform using React, Express, Node.js, and Ethereum blockchain, resulting in a funding grant from NCCS Pakistan and Polygon DAO.
- Co-organised a technical workshop and trained over 70 industry professionals through hands-on Solidity programming sessions.
- Contributed to the analysis of 23,000+ Ethereum smart contracts for a research paper on smart contract storage state, published in *ACM Transactions on Software Engineering and Methodology*.
- Co-delivered a featured talk on *"Reimagining PKI with Blockchain"* at the IEEE 2nd International Conference on Cyberwarfare & Cybersecurity 2021 in Islamabad.

Education

- **MSc in Data Science** (CGPA 3.73 / 4) | ITU, Lahore, Pakistan   *Sept 2020 - Oct 2022*
- **BSc in Computer Engineering** (CGPA 3.69 / 4) | UET, Taxila, Pakistan   *Oct 2015 - Aug 2019*