

Muhammad Waseem

Full-Stack Software Engineer

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Summary

Full-Stack Software Engineer with 2+ years of experience building and scaling production web applications used by 100K+ users across Europe. Experienced in MERN stack development, conversational AI integrations, and cloud-native deployment on GCP. Integrated chatbot APIs into e-commerce platforms and developed AI-powered conversational experiences using OpenAI APIs. Built automated CI/CD pipelines with rollback workflows optimized performance to 100% Lighthouse scores, and delivered end-to-end solutions in agile teams.

Skills

Languages & Core: JavaScript, TypeScript

Frontend: React.js, Next.js, Vue.js, Zustand, Redux Toolkit, Tailwind CSS, SCSS

Backend: Node.js, Express.js, REST APIs, MongoDB, MySQL, WebSockets, Socket.io

DevOps & Cloud: Docker, GitHub Actions, CI/CD, Nginx, AWS S3, Google Cloud Platform (GCP)

AI & Integrations: OpenAI API, REST API integration, Payment gateway integration (Opayo)

Testing & Automation: Puppeteer, Jest, Cypress

Tools: Git/GitHub, Swagger (OpenAPI), Postman, Figma, Grafana

Work Experience

Full stack engineer, Bluewinds

2024 – present | Uk, Remote

- Developed and launched a custom restaurant management and food delivery platform, serving 100K+ users across Europe. ☑
- Integrated the Opayo payment gateway into an e-commerce platform, implementing end-to-end transaction handling including success, failure, cancellation, and expiry scenarios to ensure reliable and seamless payment processing.
- Integrated a conversational AI food-ordering system into a production web app by modifying chat API responses to include action types, sanitized cart data, and order metadata, enabling bi-directional cart synchronization between chat sessions (Redis) and the web frontend.
- Led development of a company platform including AI chatbot, blog generator, job portal, and admin dashboard, enhancing user engagement and product capabilities. ☑
- Implemented a multi-stage GitHub Actions CI/CD pipeline with branch-based deployments, quality gates, environment-specific Docker builds, artifact-based releases, automated GCP VM deployments, and rollback mechanisms for production failures.
- Improved frontend performance scores to 100% (Lighthouse) by implementing code splitting, image optimization, lazy loading, and reducing main-thread JS execution.
- Optimized MongoDB performance through indexing, query refactoring, caching, and aggregation pipelines, reducing response latency.
- Automated end-to-end testing workflows using Puppeteer, improving test coverage and reducing manual QA effort by simulating real user interactions across critical application flows.
- Collaborated in Agile sprints, code reviews, and cross-functional planning with international stakeholders.

Projects

Beyond Intelligence – Health Risk Intelligence Platform (Frontend Lead)

- Led the architecture and development of a **React TypeScript** application delivering AI-powered health risk intelligence via an API-first SaaS platform.
- Built landing pages, dashboards, and multi-step survey flows with state management (Zustand), SSR, and responsive UI/UX using Tailwind, DaisyUI, and Framer Motion.
- Implemented API key management, usage analytics, billing, and content management for enterprise clients handling high-volume API usage.

Golden Closets – Full-Stack E-commerce Platform (Full-Stack Developer)

- Designed and developed a **fashion resale marketplace** enabling verified sellers and curated shopping experiences.
- Built a **multi-role authentication system**, advanced product catalog, shopping cart/checkout, and seller dashboards with analytics.
- Implemented secure backend APIs (Node.js, Express, MongoDB, JWT) with seller verification workflows, order lifecycle management, and **AWS S3 file storage**.
- Delivered a modern frontend using **React 19, TypeScript, Tailwind CSS, Zustand**, and integrated features like product storytelling, real-time notifications, and responsive design.

Education

Bachelor of Computer Science,
University of Mianwali, Mianwali

2019 – 2023