HAFIZ MOHAMMAD UMAIR

Full Stack Engineer | Forward Deployed | AI Driven

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SUMMARY

Full-Stack Engineer experienced in architecting and delivering AI-driven applications end-to-end combining scalable backend systems, thoughtful data architecture, and polished, responsive user experiences. Skilled in system design, authentication, API architecture, and integrating intelligent, automated workflows into production products, with hands-on expertise leveraging AI-assisted development tools like Cursor and Claude Code to accelerate delivery. Comfortable owning problem from concept through deployment, across enterprise, SaaS, AI, and e-commerce platforms.

EXPERIENCE

Software Engineer

Netsol Technologies

08/2025 - Present

- Engineered backend services for an internal AI query chatbot, building persistent chat sessions, conversation history storage, and dynamic message-state handling with a maintainable, scalable service architecture supporting continuous platform growth.
- Implemented Microsoft Entra ID authentication and authorization across the stack, including secure token validation and role-based access control at the API layer, along with protected routes, session handling, and access checks on the frontend.
- Contributed to a platform-wide UI modernization effort, translating Figma specs into reusable, pixel-perfect React components while designing the underlying REST API contracts to improve visual consistency, integration speed, and long-term maintainability.

Software Engineer

Devsinc

02/2025 - 08/2025

- Designed and developed RESTful APIs for business and trading platform using Node.js, and the responsive React/Next.js interfaces consuming them, deployed on AWS for production.
- Built secure authentication and authorization using JWT and OAuth2, covering both API-layer access control and frontend session handling, strengthening security across multiple services.
- Diagnosed and resolved performance bottlenecks across the stack, optimizing backend queries and data-fetching alongside frontend rendering, improving dashboard load times and overall responsiveness.

Associate Software Engineer

Amrood Labs pvt ltd

01/2024 - 02/2025

- Contributed to a comprehensive IoT-based platform on AWS, developing backend services and database features alongside interactive dashboards for managing real-time device data.
- Built and optimized APIs for a billing portal, and helped implement key frontend user flows and UI components, improving performance, data reliability, and response times across the application.
- Worked on e-commerce platform across the stack, resolving backend Spree-specific integration issues and improving API efficiency, alongside responsive product, cart, and checkout experiences for customers.

PROJECTS

Ciities

dash.ciities.com

Built multi-tenant commerce and operations platform serving multiple businesses through a unified storefront, CRM, workspace, maps, and payments suite across a polyrepo architecture.

Snowgum

snowgum.com.au

Australian e-commerce platform for outdoor products. Built backend services for product, cart, and checkout workflows, handling API integrations and data logic to support cross-device functionality.

Instantly Legal

instantlylegal.com

Australian e-commerce platform for outdoor products. Built backend services for product, cart, and checkout workflows, handling API integrations and data logic, alongside the responsive storefront interfaces consuming them to support seamless cross-device functionality.

Success AI

success.ai

Built backend services and data-driven workflows for an AI-powered B2B sales and outreach platform, including API logic for automation flows, data processing pipelines, and integration points, alongside React-based UI components supporting complex user workflows across the platform.

SKILLS

Typescript | NodeJs | ReactJs | Bun | AWS | NextJs | ExpressJs | Socket.io | PostgreSQL | MongoDB | SQL | Redis | JWT | Bcrypt | OAuth2 | RBAC | Git | Redux Toolkit | Zustand | TanStack Query | GraphQL | Kubernetes | Docker | Nginx | Python | Supabase | Vercel | BullMQ | Microservices | VectorDB | CI/CD pipeline | REST API | Schema Design | Gen AI/LLM | Jest | Mocha | Stripe | System Design

KEY ACHIEVEMENTS

Solutions Contributor Leetcode

Finished Top 100 in Biweekly Leetcode cup x2 and an active solutions contributor with over 400 problems solved. Profile

Forward-Deployed Engineering

Delivered production-ready solutions for multiple clients by leading requirements discovery, technical implementation, and end-to-end project execution.

Delivery Excellence

Built proven track record of successful project delivery across multiple engagements, backed by strong client endorsements and consistently positive feedback.

TRAINING / COURSES

Complete Web Development Bootcamp

Full Stack web development fundamentals to advanced Hands-on backend work with Node.js and React.js.

Node.js, Express, MongoDB & More: The Complete Bootcamp

Full-stack cohort building with Node.js, Express, React, MongoDB, REST APIs, and authentication.

Advanced NodeJS: Scalable Backends

Advanced backend architecture and scalable system design. Performance optimization and production-grade Node.js.

DevOps Bootcamp cohort

DevOps for backend systems and infrastructure. CI/CD, Docker, and cloud deployment.

EDUCATION

BS Computer Science

Comsats University Islamabad

01/2020 - 01/2024