MUHAMMAD AASIM

Senior Full-Stack Engineer | **Node.js · TypeScript · React · AI**

Islamabad, Pakistan (UTC+5) • Open to remote, on-site, or relocation • Available immediately

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with **6+ years** building production SaaS, strongest on the backend (Node.js, TypeScript, PostgreSQL, REST/GraphQL APIs) with React/Next.js frontends and LLM features (RAG, MCP, tool calling). Most recently **Founding Engineer at UX Pilot AI**, taking enterprise SSO, admin portals, and an AI design-to-code pipeline from architecture to production with a US team. Ships fast with AI coding agents (**Claude Code, Cursor, Codex, Antigravity**).

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer (Founding Engineer) **Feb 2025 – Oct 2026**
UX Pilot AI *New York, USA • Remote • Contract*

- Shaped the technical roadmap with the founder, CTO, product, and design, and owned architecture across Node.js microservices, REST/WebSocket APIs, the core Next.js SaaS app, a cloud execution engine, and the Figma plugin.
- Architected the AI design-to-React pipeline: LLM code generation, chat-based editing, isolated live-preview sandboxes, automatic build-error recovery, and production deploys on Fly.io and Cloudflare.
- Built a production MCP server that exposes the full UX Pilot product to AI agents (Claude, Cursor) through tool calling.
- Implemented WorkOS SAML SSO (Azure AD, Okta, Google Workspace) so enterprise users sign in with company accounts.
- Built two admin apps from scratch (Next.js, TypeScript, TanStack Query, Zod): an internal Super Admin for enterprise accounts, plans, credit pools, and SSO, and a self-serve Enterprise Admin portal for user provisioning, access, and password resets.
- Shipped real-time multi-user canvas collaboration and PostHog funnels, A/B tests, and feature flags that guided product decisions; worked with support to reproduce and fix production issues.

Software Engineer (AI & Full-Stack) **Mar 2024 – Oct 2024**
StudioX AI *San Jose, California, USA • Remote • Contract*

- Architected RAG pipelines and OpenAI assistants for semantic Q&A over multi-page PDFs and financial spreadsheets.
- Developed full-stack automation modules: document signing, audio transcription, task management, and flowcharts.
- Created drag-and-drop React and TypeScript dashboards in agile sprints with remote engineering and product teams.

Senior Full-Stack Engineer **Jun 2023 – Feb 2024**
AVROX Solutions *Pakistan • Hybrid • Contract*

- Developed and optimized Node.js and React applications in an agile team working US Eastern Time hours, owning REST API architecture, SQL query tuning, backend performance, and AWS deployments.
- Led code reviews to keep quality and test standards high, gathered requirements directly with clients, and mentored junior developers through sprint planning and delivery.

Independent Full-Stack Consultant **2020 – 2023**
Fiverr (Global Clients) *Worldwide clients • Remote • Freelance*

- Delivered 20+ web and mobile apps for clients in 7+ countries with a 100% 5-star rating (13 reviews).
- Engineered Node.js/Express backends with REST/GraphQL APIs, MongoDB, DynamoDB, Redis, and JWT/OAuth2 auth, plus serverless apps on AWS (Lambda, AppSync, Cognito, S3, CloudFront).
- Owned each project end to end: scoping, estimates, database design, Jest testing, and production deployment.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL

Backend & APIs: Node.js, Express.js, NestJS, FastAPI, RESTful APIs, GraphQL APIs, WebSocket, Microservices

Frontend: React.js, Next.js, React Native, Tailwind CSS, TanStack Query, React Hook Form, Zod

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Prisma ORM, Drizzle ORM, TypeORM

Cloud & DevOps: AWS (EC2, Lambda, S3, API Gateway, CloudFront), GCP (Cloud Functions, Compute Engine, Cloud Storage), Docker, GitHub Actions, CI/CD Pipelines, Cloudflare, Fly.io, Vercel

AI & LLMs: RAG, OpenAI APIs, LangChain, MCP Servers, Tool Calling

AI Coding Tools: Claude Code, Cursor, Codex, Antigravity

Auth & Testing: WorkOS, SAML SSO, OAuth2, JWT, RBAC, Jest, Playwright

EDUCATION & CERTIFICATIONS

Bachelor of Science in Information Technology • The Shaikh Ayaz University Shikarpur **2017 – 2020**

Python for Data Science, AI & Development • IBM (via Coursera) **Nov 2024**

Certified Cloud Native Developer • PIAIC **Jan 2023**