

FAHIM KHAN

Senior Full Stack Engineer

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Profile

Senior Full Stack Engineer with 8+ years of experience architecting high-performance, scalable web applications and real-time systems. Specialist in Rust, TypeScript, and React/Next.js, with a strong track record in fintech (Emirates NBD) and AI/agentic systems. Proven ability to lead engineering teams, establish CI/CD pipelines, and migrate legacy architectures to modern, high-throughput stacks.

Core Competencies

Rust / Go	LLMs / AI Agents	Docker / Kubernetes	Playwright / Appium
React / Next.js	GraphQL / REST	AWS (EC2, S3, API GW)	CI/CD Automation
Node.js / NestJS	WebSockets / WebRTC	PostgreSQL / MongoDB	Ionic / Capacitor
TypeScript	Microservices	Neo4j	Dynatrace

Work Experience

Full Stack Consultant

Mar 2025 – Present

Presight AI · Abu Dhabi

- Architected a micro frontend system decoupling deployments across product squads, enabling independent shipping without cross-team bottlenecks.
- Built real-time dashboards in React/Next.js using WebSockets and WebRTC to stream live AI inference data with near-zero latency.
- Implemented agentic workflows using LLMs, MCP, and tool-calling to automate operational tasks and accelerate legacy code migration.
- Maintained backend services in Rust and NestJS, deployed via Docker and Kubernetes on distributed cloud infrastructure.

Tech: Rust · Node.js · NestJS · React · Next.js · TypeScript · Go · GraphQL · Docker · Kubernetes · LLMs · MCP

Senior Software Consultant

Apr 2024 – Jan 2025

D4 Insight · Dubai

- Migrated critical services from Java to Rust, reducing p99 service discovery latency from **300ms+** to **sub-50ms** and cutting infrastructure replicas from **6 to 3**, halving hosting costs.
- Achieved near-zero downtime post-migration — only one incident in six months, a step-change from pre-migration reliability.
- Engineered secure financial dashboards and interbanking API integrations for **Emirates NBD**, adhering to strict banking security and compliance standards.
- Built an HTTP reverse proxy in Rust (Axum/Tokio) for high-concurrency traffic routing with minimal overhead.
- Automated API, web UI, and native app testing using Playwright and Appium.

Tech: Rust · Axum · Tokio · Node.js · Angular · MongoDB · Playwright · Appium · Finacle

Full Stack Engineer

Mar 2023 – Nov 2023

Egen Solutions Inc · Remote

- Built a RAG pipeline on GPT-3.5 to automatically migrate legacy Selenium E2E tests to Playwright, cutting the projected timeline from **1 year to 3 months**.
- Led a team of 3 engineers through the migration: daily code reviews, testing standards, and end-to-end delivery ownership.
- Architected the Apollo GraphQL federation layer connecting microservices for loan origination, payments, and customer data on the Bridgecrest platform.
- Managed AWS infrastructure (EC2, S3, API Gateway) and CI/CD pipelines via GitHub Actions for rapid, reliable releases.

Tech: TypeScript · Angular · Apollo GraphQL · NestJS · Ionic · Playwright · AWS · GitHub Actions · Dynatrace · GPT-3.5

Full Stack Engineer

Sep 2020 – Jan 2023

Segment Hub Technologies · Mumbai

- Shipped one of the company's first LLM integrations: a GPT-3-powered “talk to your docs” interface enabling natural language querying of internal documentation.
- Built a high-performance Rust API layer (Axum), significantly reducing server costs while handling concurrent workloads at scale.
- Developed cross-platform mobile apps with Ionic/Capacitor for Android and iOS, extending the product beyond Slack.

Tech: Rust · Axum · PostgreSQL · NestJS · Ionic · Capacitor · AWS · GPT-3

Full Stack Engineer

Jan 2018 – Aug 2020

Pawzeeble · Mumbai

- Optimized the geospatial “find nearest clinic” feature, cutting infrastructure cost by **10x** while maintaining full response accuracy.
- Built a WYSIWYG editor with full L^AT_EX support for clinical document authoring and in-browser file import.
- Delivered cross-platform apps for Android, iOS, and web from a single Ionic/Capacitor codebase.

Tech: Angular · TypeScript · Koa · NestJS · Ionic · Capacitor · PostgreSQL

Education

Bachelor of Engineering, Computer Science

2016 – 2020

Rizvi College of Engineering, Mumbai

Languages

English — Professional

Hindi / Urdu — Native