

MUHAMMAD FAHAD AZHAR

FULLSTACK ENGINEER

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Summary

Senior Software Engineer with 8+ years of experience delivering **scalable, secure, and high-performance** web and mobile applications for clients across the USA, Australia, Germany, and beyond. Specialized in **React, React Native, Node.js, Python, AWS, and AI/ML integrations**, with a proven track record of taking products from **concept to production**. Expert in **LLM integration** (LLaMA, DeepSeek, GPT APIs), **RAG pipelines, fine-tuning models**, and **cloud-native architectures**. Adept at collaborating with cross-functional teams, leading development efforts, and delivering mission-critical solutions.

Skills

- **Frontend:** React, React Native, AngularJS, Ionic, Next.js, Redux, Redux-Saga, MobX, Material UI, Ant Design, Bootstrap, SASS, styled-components
- **Backend:** Node.js, Express, NestJS, Koa, Python (Flask, Django, FastAPI), GraphQL, REST APIs
- **AI/ML Tooling:** GPT API integration, LLaMA, DeepSeek, LangGraph, RAG pipelines, fine-tuning LLMs, automated retraining, embedding pipelines, MCP integration with app functionalities
- **Databases:** PostgreSQL, MySQL, SQLite, MongoDB, DynamoDB, Redis, Memcached, OpenSearch, Pinecone, Amazon Neptune
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, ECS, Redshift), Google Cloud, Docker, Jenkins, Nginx, PM2, CI/CD (GitLab, GitHub Actions) **Testing:** Jest, Cucumber, React Testing Library, Selenium, Webdriver.io

Experience

EventMobi – Senior Software Engineer

Nov 2020 – Present

- Lead frontend development for large-scale event management platforms using **ReactJS** and **Ionic**.
- Integrated **real-time features** and optimized performance for high-traffic events.
- Collaborated directly with clients to refine requirements and deliver tailored solutions.
- Implemented **AI-driven features** for event personalization and analytics.

10Pearls – Senior Software Engineer

Oct 2017 – Nov 2020

- Migrated legacy systems to **ReactJS**, improving performance by 2x.
- Designed **microservice-based architectures** for social media monitoring and jail management systems.
- Led a cross-border team of 3 developers, ensuring timely delivery of mission-critical features.
- Integrated **AI-powered analytics** for social media sentiment tracking.

VentureDive – Software Engineer

Feb 2017 – Oct 2017

- Introduced **unit/integration testing strategies**, reducing recurring bugs by 15%.
- Guided developers on modern JavaScript trends and best practices.
- Collaborated with clients to design optimal technical solutions.

Codenvoi – Software Engineer / Co-Founder

Sep 2014 – Dec 2016

- Managed client projects end-to-end, from requirements to deployment.
- Trained interns in JavaScript and modern web development.
- Delivered multiple **React** and **Node.js**-based applications for international clients.

Projects

AI-Powered Customer Service Platform

- Integrated **GPT APIs** and **on-device AI** into a React Native app for real-time customer support.
- Built **automated RAG pipelines** with recursive fine-tuning triggered by database updates.
- Used **MCP** to connect AI with existing app functionalities.

Social Media Monitoring

- Built a platform to track and analyze multiple social media accounts.
- Stack: AWS, Node.js, React, ECS, Elasticsearch.

Jail Management System

- Large-scale microservices architecture with **Kubernetes** and **Docker**.
- Stack: Ruby on Rails, React, React Native.

Energy Monitor System

- IoT integration with **Raspberry Pi** and real-time reporting via **Socket.io**.
- Stack: Python, Node.js, Angular, Ionic.

Investment Info Application

- Cross-platform app for investment policy information and calculators.
- Stack: Angular, Ionic, Node.js.

Flight Management System

- Uber-like service for private jets with scheduling, booking, and availability features.
- Stack: AngularJS, Python, SASS.

Idea Match Social App

- Social platform for idea sharing and collaboration with chat features.
- Stack: ReactJS (Redux), Ionic, Node.js.

Etisalat Network Health Dashboard

- Custom React Native dashboard with MobX state management.
- Stack: Node.js, React Native.

Education

BS in Computer Science – University of Karachi, 2016

Notable Strengths

- Proven ability to **scale applications** to handle high concurrent usage (50k+ MAU).
- Strong **UI/UX execution** with attention to detail.
- Experience in **subscription monetization**, referral systems, and analytics integration.
- Skilled in **performance optimization** and **security best practices** for production system