

M Adeel Akram

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Senior Full Stack Engineer with 12+ years of experience building scalable web applications across fintech, healthtech, AI, logistics, and aviation. Expert in JavaScript, TypeScript, React.js, and Node.js with deep proficiency in PostgreSQL, AWS, and serverless architectures. Built 5+ products from scratch with full end-to-end ownership — from frontend UI to backend APIs to cloud infrastructure. Proven leader who grew from Software Engineer to Principal, mentoring teams and establishing engineering standards. Strong track record of optimizing performance, automating processes, and shipping reliable software fast.

EXPERIENCE

Beam.AI — Staff ML & Backend Engineer

Jan 2025 - Present

AI agent platform automating industry-level workflows using LLM-powered agents.

- Built automated unit + integration test suite from 0% to 67% coverage, catching regressions before production
- Automated the integration development process, reducing delivery time from 5 days to 1 day (5x improvement)
- Designed and built backend integration actions (GitHub, Stripe, Salesforce) with RESTful APIs for AI agent workflows
- Working with PostgreSQL, Python, NATS event broker, and event-driven server-side architecture

Z2C Limited, Karachi — Senior Technical Lead

Jan 2025 - Mar 2025

Led technical audits of product infrastructure, data usage, and architecture.

- Optimized database storage from 900GB to 300GB (67% reduction) through SQL data analysis and query optimization
- Eliminated abandoned EC2 instances and audited AWS infrastructure, cutting unnecessary cloud costs
- Conducted architectural audits to identify and resolve system inefficiencies

Founder & Lightning Ltd., London, UK (Remote) —

Jul 2021 - Dec 2024

Senior Full Stack Developer

3.5 years remote with a London-based product team. Full stack delivery across 4 products.

- **Tradeaze (Logistics):** Built end-to-end delivery platform — React frontend, Node.js/Express backend, PostgreSQL database, Docker containers, in an Nx monorepo with unit testing
- **ClientShare (B2B):** Led entire frontend feature development with React and Redux Toolkit. Close collaboration with backend team on API contracts
- **OverJet (AI/Dentistry):** Led frontend for AI visualization product — complex UI rendering real-time AI diagnostic feedback
- **BSecure (Fintech):** Infrastructure cost audit and optimization for a payment platform handling multiple payment methods

VentureDive Pvt Ltd., Karachi — Principal Software

Apr 2016 - Aug 2021

Engineer

Grew from Software Engineer to Principal over 5+ years. Led teams, designed architectures, mentored developers.

- **SIRC (Fintech — Loan Collection):** Architected and built from scratch — React frontend with Redux, serverless Node.js backend on AWS Lambda, PostgreSQL database

SKILLS

Frontend

React.js, Next.js, TypeScript, JavaScript (ES6+), Redux (Thunk, Saga, Toolkit), Context API, HTML5

Backend

Node.js, Express.js, REST API Design, GraphQL, Serverless Framework, Python

Databases

PostgreSQL, MySQL, MongoDB, Database optimization, Schema design

Cloud & Infrastructure

AWS (Lambda, EC2, RDS, S3, Cognito, Amplify), Docker, Kubernetes (familiar), CI/CD

Styling & UI

CSS3, SCSS, Styled Components, Ant Design, Chakra UI, Bootstrap, Figma-to-UI

Testing & Quality

Jest, Mocha, Unit + Integration testing, Code reviews

Tooling

Git/GitHub, Nx Monorepo, Webpack, Babel, Vite, Jira, Agile/Scrum

AI & Emerging

LangChain, VectorDB, AI Agent Workflows, Claude Code, LLM-assisted development

AWARDS

Leadership Excellence Award — VentureDive Pvt Ltd.

Multiple Coding Awards

LANGUAGES

English (Professional)

Urdu (Native)

- **TeleHealth (Healthcare):** Rapidly built full stack doctor-patient platform during COVID — React UI, Node.js APIs, PostgreSQL. Direct real-world health impact
- **Vistajet (Aviation):** Built itinerary management and booking portal from scratch — React, Redux, Styled Components, comprehensive Jest testing
- Mentored junior engineers, established coding standards and code review processes, fostered a culture of quality
- Won Leadership Excellence Award for mentoring and hands-on team leadership

GoodCore Software Inc., Karachi — Software Engineer Aug 2013 - Apr 2016

- Built and maintained web applications for international clients (UK, Europe, Malaysia) using PHP, JavaScript, and MySQL
- Managed multiple products simultaneously — first exposure to full development lifecycle and international collaboration

KEY PROJECTS

Tradeaze — Logistics & Delivery Platform

Full stack development — frontend to backend, database to deployment, with unit testing.
React.js, Node.js, Express, TypeScript, Nx Monorepo, PostgreSQL, Docker, CI/CD

SIRC — Fintech Loan Collection System

Built from scratch as lead. Serverless full stack with complex state management and data workflows.

React, Redux, Node.js, AWS Lambda, Serverless, PostgreSQL, Styled Components

TeleHealth — Healthcare Platform

Full stack product built from scratch under pressure during COVID. Direct health impact.

React, Redux, Node.js, PostgreSQL, Ant Design

Vistajet — Aviation Booking & Itinerary

Built itinerary management and customer booking portal with comprehensive testing.

React, Redux, Styled Components, Ant Design, Jest

Beam.AI — AI Agent Platform

Backend integrations and automated testing for AI workflow automation platform.

Python, JavaScript, PostgreSQL, NATS, Event Broker, REST APIs

EDUCATION

FAST NUCES, Karachi — BS Computer Science

Aug 2009 - Jun 2013