Abdul Raheem

Senior Full Stack Software Engineer | Polyglot Backend · Modern Frontend · Multi-Cloud · LLM Integration
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PROFESSIONAL SUMMARY

Hands-on Senior Full Stack Engineer with 4+ years of building, shipping and running production systems end to end. I work comfortably across **three backend ecosystems** (Node.js/TypeScript with NestJS and Express, Python with Django REST Framework, PHP with Laravel) and modern frontends (**React, Next.js**, with working knowledge of Vue 3/Nuxt), and deploy on **AWS, Azure, Google Cloud and DigitalOcean** with Docker, Nginx and CI/CD. My work spans **microservices and gRPC**, real-time systems (Socket.io, GraphQL), **LLM API integration** (OpenAI, Claude), **payments and fintech** (payment gateways, card issuing and processing, Stripe billing), CRM and third-party integrations, and high-volume SQL/NoSQL data work.

I own outcomes rather than tickets: I take a general goal, read unfamiliar codebases, make the technical calls, write tested code, deploy it and stay on it in production until incidents are closed. I review code, mentor junior engineers, and work directly with international client stakeholders in clear written and spoken English. I engineer daily with AI tooling (Claude Code, Cursor, parallel Git worktrees) and review generated code before it ships.

CORE EXPERTISE

- **Languages:** TypeScript, JavaScript (ES6+), Python, PHP, SQL, Bash/Unix shell
- **Backend Frameworks:** Node.js, NestJS, Express.js, Django, Django REST Framework, Laravel, Prisma ORM
- **Frontend:** React, Next.js (SSR, SSG, ISR, on-demand revalidation), Vue 3 / Nuxt (working knowledge), HTML5, CSS3, responsive and localized UIs
- **3D & Visual:** Three.js, react-three-fiber, glTF/GLB model rendering
- **Architecture:** Microservices, gRPC, REST, GraphQL, real-time with Socket.io, multi-tenant SaaS, role-based access control, API contract design
- **AI & LLM:** OpenAI and Claude API integration; AI-assisted engineering with Claude Code and Cursor
- **Databases & Caching:** PostgreSQL, MySQL, MongoDB, Redis, Supabase; schema design, indexing and query optimization for high-volume workloads
- **Fintech & Payments:** Payment gateway integration, card issuing and processing, Stripe subscriptions, billing and multi-tenant plans
- **Integrations & Automation:** Insurance provider APIs, Salesforce, HubSpot, GoHighLevel, Firebase, Strapi headless CMS, n8n, email campaign automation
- **Cloud:** AWS (EC2, S3, Lambda), Microsoft Azure, Google Cloud Platform, DigitalOcean
- **DevOps & Reliability:** Docker, Docker Compose, Nginx, CI/CD pipelines, Sentry, production incident response
- **Analytics:** Google Tag Manager, GA4 event tracking, engagement analytics
- **Testing:** Jest, Vitest, PHPUnit, Pest
- **Workflow:** Git (parallel worktrees), Claude Code, Cursor, Agile/Scrum, Jira, ClickUp, Notion, Slack

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Full Stack) **Oct 2025 – Present**

Nextbridge Ltd. — outsourced to MyAlfred LLC (UAE) · Insurance Market UAE

- Engineer Insurance Market UAE, a multi-provider insurance aggregation platform serving real-time motor and **health** insurance plans, customer journeys and policy management.
- Build and maintain a polyglot service landscape in **Python/Django REST Framework**, **Node.js/TypeScript** and **Laravel (PHP)** on **PostgreSQL**, each covered by Jest/Vitest or PHPUnit/Pest tests.
- Build high-volume APIs powering **React/Next.js** journeys for plan comparison, onboarding and policy management, and own the data contracts between UI and services.
- Integrated multiple UAE insurance provider APIs, normalizing heterogeneous real-time motor and health data into consistent structures consumed by the frontend.
- Integrated a **payment gateway** into the customer journey for online policy payments.
- Optimized SQL queries for high-volume transactional workloads, improving response times for user-facing pages.
- Designed and built the **Motor Revival** lead re-engagement system: email campaigns, event tracking and engagement analytics.
- Implemented Arabic localization across insurance modules for the regional market.
- Own features end to end and resolve production incidents using Sentry, Docker Compose and CI/CD pipelines.
- Review code, mentor junior engineers, and work directly with client product and engineering stakeholders on scope, trade-offs and delivery.

Software Engineer (Full Stack) **Oct 2023 – Oct 2025**

TxLabz — Lahore, Pakistan

- Built backend services in **Node.js, TypeScript, NestJS, Express and Prisma**, plus **Python/Django** and **Laravel** back ends, across PostgreSQL, MongoDB and MySQL.
- Built **Next.js** applications with SSR and ISR and event-based on-demand revalidation, keeping content fresh without sacrificing performance.

- Engineered SaaS subscription and billing flows with **Stripe** on a **multi-tenant architecture** with role-based access control.
- Built real-time features with **Socket.io** and **GraphQL** APIs for scalable client–server communication.
- Integrated Salesforce, HubSpot and GoHighLevel CRM, and automated cross-system data pipelines with n8n.
- Deployed and operated applications on **AWS, DigitalOcean and GCP** using Docker and Nginx.
- Received the **Rising Star Award** for outstanding performance.

Software Engineer **Oct 2022 – Oct 2023**

SmartFun Studios — Lahore, Pakistan

- Built dynamic, content-driven applications on **Strapi** headless CMS and integrated REST APIs with frontend teams.
- Developed a salon booking system with scheduling and automation workflows, plus **Firebase** push notifications.
- Contributed to e-commerce and multi-vendor platforms.
- Awarded **Employee of the Year** for outstanding performance.

SELECTED PROJECTS

3D Sports Apparel Product Configurator — React, Three.js, react-three-fiber

- Interactive design-your-own apparel configurator rendering glTF/GLB 3D models in the browser, replacing a legacy WebGL implementation with a modern react-three-fiber stack.

Motor Revival Lead Re-engagement System — Insurance Market UAE

- End-to-end re-engagement pipeline for lapsed motor insurance leads, combining automated email campaigns, event tracking and engagement analytics.

Multi-tenant SaaS Billing Platform — TxLabz

- Stripe-based subscriptions on a multi-tenant architecture with role-based access control, Next.js frontends and NestJS/Prisma services.

EDUCATION & RECOGNITION

- **Bachelor's in Computer Science** — Government College University, Faisalabad
- **Rising Star Award** — TxLabz · **Employee of the Year** — SmartFun Studios