

Saleh Ahmed

Full-Stack Engineer | React | Next.js | TypeScript | Node.js | PostgreSQL

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Summary

Product-minded full-stack engineer with 5 years of experience building and deploying web and mobile products end to end. Skilled in TypeScript, React, Next.js, React Native, Node.js, PostgreSQL and Supabase, with hands-on experience designing APIs, databases, payment flows and cloud infrastructure. Shipped e-commerce, booking and escrow marketplace products, including an AI security audit and production LLM integrations.

Skills

Frontend & Mobile: TypeScript, JavaScript, React, Next.js, React Native (Expo), HTML/CSS, React Query, Zustand, Redux, Web application development

Backend & APIs: Node.js, NestJS, Express, Python, GraphQL, REST APIs, Microservices

Data & Cloud: PostgreSQL (PostGIS), SQL, Supabase, MongoDB, Prisma, Redis, AWS, Docker, Git, GitHub Actions (CI/CD), Database design, Cloud deployment

Testing & Payments: Vitest, Jest, Playwright, E2E testing, Stripe Connect, Paystack, Payaza

AI: OpenAI API (LLMs/GPT), Model Context Protocol (MCP), AI workflows, Cursor, Claude Code, LLM-powered feature development

Work Experience

Full Stack Developer

February 2024 – Present

Brussel Lake Paragon, a 15-person London digital agency | Remote, UK

- Generated £10K+ in first-month online sales for Tottenham Wheels by building its Next.js and TypeScript web application end to end, including e-commerce, workshop bookings, POS, and administrative tools.
- Launched Zovah on the App Store and Google Play after designing and developing its React Native and TypeScript mobile application, enabling customers to discover, book, and pay UK beauty and events providers through Supabase serverless functions and AWS S3.
- Launched Zaroba, a Nigerian resale marketplace for iOS and Android, by building its React Native app, Next.js admin interface, and 26-table PostgreSQL database schema with row-level security (RLS), while implementing Paystack escrow for buyer payments.
- Prevented double payouts and refunds by designing database controls that locked order and wallet rows before every money movement, verified each Paystack webhook signature, and enforced one refund per order.
- Protected Zovah customers from paying for no-shows and providers from unpaid work, by building Stripe Connect escrow that authorizes the card at booking and captures it only when the job is done, confirmed through signed webhooks.
- Reduced rework across 4 products in a cross-functional Agile team by partnering with UI/UX designers, product managers, and clients on Figma flows and API contracts, then connecting GraphQL and REST microservices to React Query and Zustand in strict TypeScript.
- Gated every Zaroba release with 842+ concurrent system and end-to-end tests through GitHub Actions, Docker, and EAS, preventing regressions and faulty production deployments.

Full Stack Developer

July 2022 – January 2024

Self-Employed | Remote, UK and international clients

- Built a trading journal that reconciled P&L, win rate, and profit factor to the cent across 300 trades using a FIFO engine and Python pipeline for TradeStation and Charles Schwab data.
- Discovered and neutralized a browser-exposed OpenAI key in an AI advertising platform, then converted its unmetered LLM endpoints and unverified subscription payments into a 33-requirement security roadmap by auditing its React, Express, and Supabase codebase.
- Built and launched XRarchy's Next.js and Supabase platform in four weeks, developing its REST API to let archivists anchor files to real-world locations in augmented reality and reliably store position and orientation data in the mobile app.
- Took 3 UK retailers online by building React, Next.js, and Node.js storefronts with checkout, shipping, authentication, and REST API integrations.

Frontend Developer

June 2021 – June 2022

B-DIGI International, a digital agency | Karachi, Pakistan

- Developed and deployed responsive front-end interfaces, reusable React components and REST API integrations using JavaScript, HTML5, CSS3, Redux, Docker and CI/CD pipelines, reducing page-load times and improving user satisfaction.

Projects

Tottenham Wheels: wheel and tyre e-commerce platform | Next.js, TypeScript, Prisma, PostgreSQL, Stripe

- Built a unified admin panel for POS checkout, bookings, QR-code stock tracking, and emailed receipts, with customer, staff, and owner access levels.
- Let customers shop wheels and tyres by their car, by building a find-your-fit search over vehicle fitment data and wheel-and-tyre bundles.

Companion: location-based social app | NestJS, PostgreSQL/PostGIS, Prisma, React Native (Expo), Docker

- Closed 8 API security flaws, including a mass-assignment vulnerability that allowed users to set their own reputation scores.
- Eliminated race-condition overbooking by implementing atomic, transaction-safe seat allocation in PostgreSQL.
- Stopped personal data leaking across 17 queries by switching to deny-by-default field projections.
- Turned on API rate limiting that was configured but never enforced (30 of a 130-request burst now rejected with HTTP 429).

MBTS 3D | React Native, OpenAI API, 3D avatar rendering

- Shipped the chat layer of a 3D avatar app that keeps answering when rendering fails, by wiring OpenAI completions to lip-sync and a 2D fallback.

Education

Virtual University of Pakistan

B.S. in Business and Information Technology

June 2025

CGPA: 3.63 / 4.0