Saleh Ahmed

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

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Summary

Full-stack engineer with 5 years of software delivery across web and mobile products. Builds React and Next.js interfaces with Node.js APIs and PostgreSQL. Recent work covers payment flows, signed webhooks, scheduled jobs, and automated release checks for marketplaces and booking platforms.

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, REST APIs, GraphQL, scheduled jobs, third-party integrations

Data & Cloud: PostgreSQL (PostGIS), SQL, Supabase, MongoDB, Prisma, Redis, AWS S3, Docker, Git, GitHub Actions (CI/CD)

Testing & Payments: Vitest, integration testing, E2E testing, Stripe Connect, Paystack, Payaza, signed webhooks

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 storage.
- 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 Zaroba changes with 842+ Vitest unit and contract tests in GitHub Actions, with separate end-to-end checks and EAS release builds.

Full Stack Developer **July 2022 – January 2024**

Self-Employed | Remote, UK and international clients

- 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

- Built responsive React interfaces with reusable components and Redux state management, integrated REST APIs, and shipped updates through Docker and CI/CD pipelines.

Projects

Tottenham Wheels | tottenhamwheels.com | *Next.js, TypeScript, Prisma, PostgreSQL, Stripe*

- Built a Next.js and Prisma admin panel backed by PostgreSQL and Stripe for POS checkout, bookings, QR-code stock tracking, and emailed receipts across customer, staff, and owner roles.
- 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.

Toli: co-founded social planning startup | jointoli.com | *NestJS, PostGIS, Expo, Docker*

- Hardened Toli's NestJS and PostgreSQL/PostGIS backend, closing 8 API security flaws, including a mass-assignment hole that let users 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 a React Native chat layer for a 3D avatar app using OpenAI completions and conversation history, with lip-sync and a 2D fallback when rendering fails.

Zovah: service-provider booking marketplace | App Store | case study | *React Native, Supabase, Stripe Connect*

- Built provider discovery, filtering, scheduling, and admin operations across web, iOS, and Android using React Native and a shared Supabase backend.
- Automated Stripe Connect provider onboarding, payouts, and subscription billing through one Supabase backend.

Education

Virtual University of Pakistan **June 2025**

Bachelor of Business & Information Technology (BBIT) **CGPA: 3.63 / 4.0**