

Aitsam Ahad

Senior Full-Stack Engineer | Node.js, TypeScript & React/Next.js | 6+ Years of Experience

aitsama.ahad@gmail.com | +92 342-3641217 | linkedin.com/in/aitsamahad

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 6+ years of experience architecting and building scalable web applications using Node.js, TypeScript, Express, and NestJS on the backend and React/Next.js on the frontend. Proven record of taking products from an early-stage concept through to production — including re-architecting a 5-app ecommerce platform for a Google–Unilever joint venture and leading a team that built a QR-based payment and invoicing platform from a single problem statement into a product generating £50K in weekly revenue. Experienced designing REST and GraphQL APIs, modeling SQL and NoSQL data, and integrating secure payment flows with Stripe. Has led cross-functional engineering teams of up to 8 across frontend and backend disciplines, and regularly mentors developers in TypeScript and automated testing (Jest, Cypress).

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Rust, Solidity

Frontend: React.js, Next.js, Redux, Zustand, RxJS, WebSockets, Material UI (MUI), HTML5/CSS3

Backend: Node.js, Express.js, NestJS, REST APIs, GraphQL, OAuth, JWT

Data: MongoDB, NoSQL data modeling, SQL (relational databases)

Cloud & Infrastructure: AWS (EC2, Amplify, Cognito), Docker

Testing: Jest (unit testing), Cypress (E2E testing)

Payments & Transactions: Payment gateway integration (Stripe), secure transaction processing & card management

Tools & Practices: Git, Jira, Agile/Scrum, technical mentorship, system architecture

PROFESSIONAL EXPERIENCE

TEO International — Principal Software Engineer | Mar 2022 – Present

- Senior engineer on Gotoko, a 5-app B2B/B2C ecommerce platform (marketplace, inventory, fulfilment, marketing, and admin portals) built as a joint venture between Google and Unilever; re-architected the marketing, admin, and fulfilment applications — improving load times and development workflows — while leading a team of 8 frontend developers (“Web Firefighters”).
- Lead a team of 3 frontend and 2 backend developers building an invoice management and storage application.
- Designed and led a multi-application frontend architecture for transformer health analysis and reporting.
- Train junior developers in Next.js, TypeScript, unit testing with Jest, and end-to-end testing with Cypress.

Stack: JavaScript, TypeScript, React, Next.js, Node.js, RxJS, Redux, Zustand, Material UI, WebSockets, Payment Gateway integration

XIOTS (formerly CreativeKhan) — Team Lead / Senior Software Engineer | Sep 2020 – Feb 2022

- Led a team of 4 developers designing and building a QR-based invoice management and payment platform (iClerk) for taxi companies and restaurants — from an initial problem statement to a product generating £50K per week in revenue.
- Drove architecture and delivery of core features including Scan2Pay, Scan2Book, and Donations, along with secure transaction processing and card management via Stripe.
- Built the customer-facing frontend for Drop, a B2C ecommerce platform for restaurants with white-label vendor, delivery, and admin apps, while supporting other developers on the vendor and admin apps.

Stack: JavaScript, TypeScript, React, Next.js, Node.js, GraphQL, Redux, WebSockets, Material UI, Stripe

Relymer Group — Software Engineer (Backend) | Jan 2018 – Sep 2020

- Engineered and maintained REST and GraphQL API backends for multiple iOS and Android applications.
- Built backend services using Node.js, Express.js, NestJS, and TypeScript; implemented authentication with OAuth, AWS Cognito, and JWT.
- Contributed React/Next.js frontend features and explored blockchain-based modules using Solidity.

Stack: Node.js, Express.js, NestJS, TypeScript, React, Next.js, AWS (Cognito), OAuth, JWT, Solidity, Git

EDUCATION

Virtual University of Pakistan — BS (Hons) in Software Engineering | 2016 – 2020

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Software Engineering, Computer Architecture & Organization