

Aqib Ali Ghumro

Backend & Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Software engineer with 1+ year of professional experience building backend APIs, business workflows, payment integrations, and web/mobile products. Hands-on with Python, FastAPI, Node.js, Express, React, React Native, PostgreSQL, Prisma, AWS, Docker, CI/CD, and automated testing. Strongest in translating product requirements into reliable services, handling edge cases, and debugging deployments.

PROFESSIONAL EXPERIENCE

Software Engineer (Full-Stack) | Touchperia | Jul 2025 - Present | Karachi, Pakistan

- Owned backend logic and API integration across Makaanza (makaanza.com) and HairZone in a lean two-developer team, translating requirements into validated services, data workflows, mobile integrations, and testable edge cases.
- Built and tested a modular HairZone Express/TypeScript API with 31 documented route definitions across profiles, services, availability, appointments, payments, notifications, reporting, and media; integrated Stripe before switching to Tap Payments.
- Implemented booking lifecycle logic for availability conflicts, cancellations, payment failures, and notification updates across backend services and the React Native application.
- Built 7 HR modules covering employees, authentication, attendance, payroll, leave, documents, and onboarding; created a GitLab CI/CD pipeline, reducing deployment time by approximately 20 minutes per release.
- Diagnosed an AWS deployment failure within a few hours using CloudWatch, IAM, and environment-configuration debugging; wrote unit, integration, API, and Playwright end-to-end tests.

SELECTED PROJECTS

ZamzamTrader - Inventory, Invoicing & POS Platform | React | NestJS | Prisma | PostgreSQL | REST APIs | Live: zam-zam-trader-one.vercel.app

- Developed a 9-module retail-distribution platform covering item and party setup, stock-in/out, batch and expiry records, invoices, cheque forwarding, credit, reports, and party ledgers.
- Implemented 36 controller routes across NestJS/Prisma modules with JWT auth, Swagger documentation, validation, and transaction records linking inventory changes to billing history.
- Modeled 11 Prisma entities for inventory, billing, payment adjustments, cheques, parties, and ledger records.

Clocksy / Employee Activity Tracker | Fastify | Prisma | Electron | React | Next.js | PostgreSQL | S3/MinIO | Live: employeeactivitytracker.com

- Built an end-to-end desktop and web product for work sessions, activity capture, app usage, screenshots, teams, projects, reports, and exports.
- Connected Electron capture to Fastify/Prisma APIs and a Next.js dashboard with auth, presigned object-storage uploads, workspace settings, and automated tests.
- Structured the backend into 14 feature modules covering sessions, activity, screenshots, reports, projects, auth, storage, and workspace operations.

Poultry Business Management System | NestJS | Prisma | PostgreSQL | Next.js | Playwright | Live: poultry-business-management-system-zeta.vercel.app

- Developed a 16-module NestJS/Prisma business system for customers, vendors, drivers, purchases, invoices, vouchers, payments, expenses, market rates, ledgers, and reports.
- Built a Next.js dashboard spanning 17 app pages with date-aware accounting rules, customer/vendor settlements, and PDF/report outputs for operational records.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL

Backend: FastAPI, Node.js, Express.js, NestJS, Django, REST APIs, Prisma, Swagger, JWT

Frontend/Mobile: React, Next.js, React Native, Expo

Data/Cloud: PostgreSQL, MongoDB migration work, Supabase, AWS S3/CloudFront, Docker, GitLab CI/CD

Testing/Integrations: Unit, integration, API, Playwright E2E, Stripe, Tap Payments, OAuth, Supabase

EDUCATION

Bachelor of Software Engineering | NED University (UIT) | 2021 - 2025