YUSUPH IQBAL

Senior Full-Stack Engineer | React · React Native · Node.js · Django

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SUMMARY

Senior full-stack engineer with 5+ years of building and running production web and mobile products for startups and growing businesses. I own products end to end: React and React Native front ends, Node.js and Django backends, payment and messaging integrations, and the hosting and deployment behind them. Shipped software used by **3,000+ businesses** and a mobile app with **22,000+ paying users**.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript

Frontend & Mobile: React, Next.js, React Native, Electron

Backend: Node.js, Express, NestJS, Django, Flask, REST APIs, Socket.IO

Databases: PostgreSQL, MongoDB, MySQL

DevOps & Tools: Docker, GitHub Actions (CI/CD), DigitalOcean, Git, load balancing, backups

EXPERIENCE

Software Engineer, TSL Technologies Ltd

Jan 2022 – Present

Continuous engagement since Jan 2022, including a year as an independent software consultant (2025) while remaining an active contributor to the codebase.

- **Lead engineer of TotalVFD**, a digital receipting platform on web, iOS and Android that replaces hardware receipt machines and is now used by **3,000+ businesses**. Started as the only engineer and led the work as the team grew. Built the customer web app, admin app, mobile app, backend and scheduled jobs (MERN stack and React Native), integrated with the national tax authority's APIs.
- Run it in production for businesses that cannot afford downtime: multiple backend servers behind a load balancer, managed MongoDB, automated deployments with GitHub Actions, backups and SSL.
- Integrated Selcom payment processing into the TotalVFD web application, enabling secure in-platform transactions.
- **Lead engineer of a petrol station management system** (React, React Native, NestJS, PostgreSQL, Docker): attendant mobile app and admin dashboard that track every sale, including credit sales, with daily reports and attendant performance. Reduced fraud and revenue leakage and replaced manual daily checks.
- Rebuilt the Internal Sales System from Python (Flask) and PostgreSQL to React, Node.js and MongoDB, **improving performance by 70% and speeding up file uploads by 99.8%**.
- Developed a real-time fuel monitoring system (React, Node.js, Socket.IO) with Python microcontroller integration, enabling remote fuel price changes and automatic compliant receipt generation.
- Built a Python/Tkinter desktop client that lets supermarkets send POS sales directly to the platform's APIs, producing compliant fiscal receipts and replacing legacy hardware.

FREELANCE & INDEPENDENT PROJECTS

Winzone, Sports Predictions Mobile App

May 2026 – Present

React Native · React · Django · Node.js · PostgreSQL · DigitalOcean

- **Lead engineer, end to end.** Built and run a live app on the App Store and Google Play with **22,000+ paying users**: React Native mobile app, Django backend, Node.js scheduled jobs, React admin dashboard and a VIP slips web app.
- Integrated in-app payments (Selcom) and SMS OTP verification (Beem).
- Own hosting and DevOps: DigitalOcean servers and managed PostgreSQL, zero-downtime releases with GitHub Actions, regular backups and SSL.

TaxAccounts 24/7, Learning Platform for Accounting & Tax Professionals

May 2025 – Sep 2025

React Native · React · Node.js

- **Sole engineer.** Delivered the iOS and Android app, a React admin dashboard and the Node.js backend for a professional training organisation; live on the App Store and Google Play.

Package Delivery & Tracking System, Logistics Startup May 2023 – Feb 2024

Dar es Salaam – Zanzibar · React Native · Node.js · React

- Built the mobile app, backend and admin dashboard for real-time package tracking, rider management and performance analytics across two cities.

Farm-to-Sale Traceability System, Tobacco Supply Chain Jan 2024 – Apr 2024

React Native · React

- Designed and delivered a traceability system with QR-based tracking and detailed audit logs for supply chain compliance.

Invoice Data Integration, Revenue Authority Project May 2021 – Aug 2021

Node.js · Electron · React

- Built APIs and a desktop app that extract invoice data from Excel and Word documents and submit it for fiscal printing, automating manual processing and reducing errors for multiple businesses.

Multimedia Streaming Platform & Recommendation Engine Aug 2020 – Feb 2021

Flask

- Built the APIs for a music and movie streaming platform, with a personalised recommendation engine based on the preferences of followed users.

EDUCATION

Bachelor of Science in Computer Science 2015 – 2020

The Institute of Finance Management