
Victor Ughonu

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EDUCATION

Obafemi Awolowo University
B.S in Electrical Engineering
CGPA

Mar 2013 - Apr 2018
4.2

WORK EXPERIENCE

Bloomers(Healthcare)

Lagos, Nigeria

Senior Engineer - Full Time

Oct 2024 - Present

- **Cut operational costs by 90%** by migrating all services (frontend, backend, dashboard, and database) to a more cost-effective platform; also decreased hiring costs by 70% and accelerated feature delivery speed by 30% by transitioning backend from C# to NestJS.
- **Led full-stack architecture for a multi-tenant appointment scheduling system**, designing the Prisma schema and developing backend APIs in Node.js—enabling white-label B2B solutions for hospitals.
- **Streamlined engineering workflows** by automating React Query hook generation from OpenAPI, enabling async frontend-backend development, establishing a junior dev onboarding process, and translating business needs into actionable engineering roadmaps.

UpLearn(EduTech)

Remote Uk

Software Engineer 2 - Contract

Sep 2023- Oct 2024

- **Accelerated B2B acquisition by 100%** by developing school onboarding APIs and designing an A/B testing framework to incrementally roll out dashboard features, enabling data-driven decisions.
- **Enhanced code quality and developer experience** by migrating React components from JavaScript to TypeScript, writing comprehensive tests with React Testing Library, Jest, and ExUnit for both frontend and backend systems.
- **Enhanced cross-team collaboration** by authoring scoping documents, test plans, and integrating React Storybook to empower product managers with visual testing tools and early UI feedback

Dot.ai(FinTech)

Lagos, Nigeria

Software Engineer - Full Time

Jan 2023 - Feb 2024

- **Designed and led development of a retail health insurance platform**, building the frontend with Next.js 13, TypeScript, Redux Toolkit, React Query, and TailwindCSS, while implementing a pixel-perfect design system based on Figma for enhanced accessibility and developer experience.

- **Built scalable backend services with Koa.js, PostgreSQL (via Prisma), and Redis**, implementing APIs for insurance plan registration, payments (via Pystack), and customer enrollment, with declarative validation using class-validator for secure and maintainable code.
- **Optimized financial data querying by integrating Elasticsearch and Redis caching**, achieving 3× faster API response times, and implemented a data replicator from PostgreSQL to Elasticsearch; integrated a React + Redux dashboard with custom hooks and React Query for efficient data fetching.

Turing

Software Developer - Contract

Remote, California

Feb 2022 - Oct 2022

- **Increased customer retention by 70%** by developing a NestJS (TypeScript) API for job availability updates, and integrated WhatsApp messaging into a MySQL-backed system—migrating legacy Node.js services to TypeScript and TypeORM for better maintainability.
- **Improved email deliverability by 50%** and doubled email volume through a custom domain warm-up algorithm using Redis and CronJobs; built experimentation and monitoring frameworks with Prometheus and Grafana to enhance email performance visibility.
- **Strengthened system reliability and developer confidence** by building automated unit and contract test suites with Mocha and Chai, implementing RBAC in Node.js and React apps, and coordinating sprint planning and ticket management for consistent API logic and design quality.

Nomba (Fintech)

Fullstack Engineer - full time

Lagos, Nigeria

Mar 2019 - Feb 2022

- **Slashed transaction resolution time from 7 days to 3 seconds** by architecting a high-performance React/Node.js dashboard in collaboration with UI/UX and data teams; led backend migration from BigQuery to Elasticsearch, reducing query costs by 70%.
- **Increased transaction count by 20% and reduced chargebacks by 15%** through a float management algorithm and auto-resolution service for low-value transactions, automating fund movement and reducing manual workload.
- **Led and maintained 5+ microservices**, implemented billing and re-query APIs for resolving bill payment issues, and developed transaction logging tools with role-based interfaces for customer support teams.
- **Modernized legacy systems** by migrating a jQuery dashboard to a React/Node.js stack, developing internal tools, generating PDF statements via PDFKit, integrating SendGrid and Google Cloud, and managing Flask-based transaction reconciliation services.

TECHNICAL SKILLS

Frontend: React, NextJs, ReactQuery, React Router, CSS, SASS, TailwindCSS, Redux Toolkit, StyledComponents, CASL React, Apollo-GraphQL, TypeScript

Backend: NodeJs, NextJs, ExpressJs, Elixir, Phoenix, FastAPI, Python, SpringBoot, DropWizard, Prisma, TypeORM, Mongoose, PostgreSQL, MySQL, MongoDB, Redis, NATS, Kafka, TypeScript, OpenAI API,

Tools: Docker, Jest, React Testing Library, GitHub, Git.