

CHIMEZIE EDEH

Software Engineer (Fullstack)

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PROFILE

Software Engineer with over 8 years of experience building resilient, scalable, high-performance systems. Skilled in system architecture, API development and front-end engineering with Golang, Node.js, React.js and modern cloud platforms. Experienced in shipping AI-powered product features with LangChain, LangGraph and Python FastAPI

EMPLOYMENT HISTORY

Senior Software Engineer(Backend), aTrace

March, 2025 - Present
United Kingdom (Remote)

- Own the delivery and dispatch domain of Mercury, aTrace's core Go backend, and redesigned last-mile tracking around trips so customers follow many concurrent deliveries on one timeline.
- Build and maintain the platform's GraphQL and REST APIs in Golang over MongoDB, covering the dispatch, identity, inventory and billing domains.
- Built the identity and access layer of organisations, roles and granular permissions that enforces multi-tenant access control across every service.
- Architected a reusable MongoDB transaction layer for consistency across microservices, and the centralised cron service that coordinates fleet-wide jobs over Azure Service Bus.
- Contributed to Tracey, aTrace's AI supply chain assistant built with Python, FastAPI, LangChain and a LangGraph multi-agent router, exposing live shipment data to it through the GraphQL API.

Skills: Golang, Echo, GraphQL, MongoDB, Redis, Python, FastAPI, LangChain, LangGraph, LangSmith, Azure OpenAI, RAG, Pinecone, MCP, Azure Service Bus, Azure DevOps, AKS, Kubernetes, Docker, Sentry, ReactJs

Senior Software Engineer(Backend), Dropper Systems

January, 2024 - February, 2025
Lagos (Remote)

- Led a full restructure of the grocery and food-delivery backend into 20+ domain modules on NestJs, TypeORM and PostgreSQL, cutting the codebase by 40%.
- Owned the deployment path, containerising the service with Docker and shipping it through AWS CodePipeline, CodeBuild and CodeDeploy into ECR and ECS.
- Built the inventory sync pipeline that validates supermarket CSV catalogues against live products in every store branch, keeping thousands of SKUs current.
- Delivered the order, wallet, transaction and voucher domains with precise money handling, delivery fee calculation and Google Maps geolocation.
- Maintained 180+ database migrations across separate development and production pipelines, and built media upload and event-driven notification services on AWS S3 and Firebase.

Skills: NodeJs, NestJs, TypeScript, PostgreSQL, TypeORM, AWS (S3, ECR, ECS, CodePipeline, CodeBuild, CodeDeploy), Redis, Docker, Firebase

Senior Software Engineer(Full-stack), Faramove

November, 2021 - January, 2024
Lagos (Remote)

- Built scalable microservices for the Klooft app with NestJs, Golang, gRPC and Kafka, monitored with Prometheus and Grafana, across the microservices.
- Deployed and operated the Klooft service fleet on Kubernetes, defining the deployments, services and autoscaling policies that let each service scale independently.
- Engineered a high-performance media service for Klooft, increasing upload speed by 32% with ReactJs, NodeJs and Cloudinary.
- Designed the API architecture for PePay, a payment app built on NodeJs, NestJs, PostgreSQL and TypeORM.
- Implemented full-text search with Algolia and MongoDB Atlas Search, improving search across every application.

Skills: Golang, NodeJs, TypeScript, ReactJs, MongoDB, PostgreSQL, GCP, gRPC, Kafka, Prometheus, Grafana, Terraform, Kubernetes

Software Engineer(Backend), Ankora Health

January, 2022 - February, 2023
Lagos(Remote)

- Led the migration of the REST API to a schema-first GraphQL API with Golang, NodeJs, MongoDB and Apollo, so a clinician loads a full patient chart in one query.
- Designed a template-driven medical record builder where each field type plugs into a shared schema, letting clinical teams add record types without a code change.
- Built the multi-tenant permission layer across organisations, health facilities and staff groups, with request guards and token whitelisting for instant session revocation.
- Wrote the integration and end-to-end test suites with Jest and Testify, and set up the test configuration the rest of the team built on.

- Moved notifications, reporting and record processing onto RabbitMQ queues, and implemented full-text search over patients, staff and inventory with Algolia
- Skills:** Golang, Go-Chi, NodeJs, NestJs, TypeScript, MongoDB, GraphQL, Apollo, RabbitMQ, Algolia, Heroku, Jest, Testify

Software Engineer(Full-stack), Convre

July, 2020 - October, 2021
Ibadan(Hybrid)

- Built the Convre community platform end to end: a NextJs and TypeScript front end of 80+ components over an ExpressJs and MongoDB API.
 - Owned the front end, including server-rendered dynamic routes, a rich-text editor, infinite-scroll feeds, SWR data fetching and form validation.
 - Moved email, notification and media processing onto RabbitMQ queues consumed by a dedicated worker service, keeping page loads fast as the community grew.
 - Added real-time chat over WebSockets, Redis caching and rate limiting, and authentication with local, JWT, Google and Facebook OAuth.
 - Instrumented both services with Prometheus, Grafana and Loki, containerised the stack with Docker Compose, and deployed across GCP and Heroku.
- Skills:** ReactJs, NextJs, TypeScript, NodeJs, ExpressJs, MongoDB, Redis, RabbitMQ, WebSockets, GCP, Heroku, Docker, Docker Compose, AWS S3, Prometheus, Grafana, Loki, Cypress, Chakra UI, Material UI

Software Engineer (Full-stack), SpectrumsTech

March, 2018 - June, 2020
Ibadan(On-Site)

- Delivered six client products in just over two years at a software agency, owning each from data model to deployed application.
 - Became the agency's lead ReactJs developer, building storefronts and admin dashboards for four retail clients as single-page applications with ReactJs, Redux and React Router.
 - Established a shared ReactJs component library reused across every client build, cutting new-client delivery from weeks to days.
 - Built the commerce API behind those front ends in TypeScript, ExpressJs and MongoDB, integrating payment gateways, Cloudinary media and transactional email.
 - Architected Skytrade, a cryptocurrency trading platform with a JWT-secured NodeJs API, and shipped its user and admin mobile clients in Flutter.
- Skills:** ReactJs, Redux, React Router, TypeScript, JavaScript, NodeJs, ExpressJs, MongoDB, Cloudinary, Flutter, Dart, Heroku

EDUCATION

University of Ibadan
BSc. Computer Science

March, 2019 - April, 2024
Ibadan

PROGRAMMING LANGUAGES AND TOOLS

Typescript	ExpressJs	NextJs	Material UI	RabbitMQ	gRPC	PostgreSQL
Javascript	NestJs	TailwindCSS	Styled components	Prometheus	GraphQL	MySQL
NodeJs	ReactJs	Redux	Golang	Jaeger	MongoDB	Redis
Docker	Kubernetes	Loki	Grafana	AWS	Github Actions	Azure
Python	FastAPI	SQLAlchemy	LangChain	GCP	CI/CD	Jenkins
Terraform	Firebase	Kafka	Zustand	React-Query	LangGraph	AKS