James Ugochukwu Iweobi

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Skills

JavaScript | TypeScript | Node.js | Nest.js | Express.js | Firebase | Google Data Store | Google Storage | AWS | S3 | **MySQL** | **Postgres** |
Lambda| CloudWatch | API Gateway | EC2 | Elastic Beanstalk | DynamoDB | Cognito | SQS | MongoDB | MySQL|PostgreSQL | DynamoDB
| React (Basic) | HTML | CSS | Handlebars | Git | Jest | JWT | Bcrypt | Axios | Mentoring | Leadership | Resilience

Summary

I'm a CTO and Senior Software Engineer with strong experience in Node.js and TypeScript, building scalable backend systems across fintech, logistics, and SaaS. I lead the design and development of cloud-native APIs and microservices on AWS, with a solid focus on reliability, performance, and clean architecture.

I also mentor developers, drive DevOps practices using Docker and CI/CD pipelines, and align technical strategy with business goals. I care about building systems that scale and teams that move fast without sacrificing quality.

Experience

Lead Software Engineer   Jan/2024 – Present

PharmaServ Inc, **British Columbia, Canada**. Remote work from Nigeria

PharmaServ is an offline-capable sales workflow-support software that manages sales and medical detailing operations as well as front- and back-office activities of sales teams in low-resource settings.

- Built cloud applications used in **5+ African countries**, contributing to **₦9M+/$5k+ monthly revenue**.
- Architected and implemented scalable backend systems using OOP, Node.js and TypeScript, leveraging cloud platforms such as Amazon Web Services (AWS) to drive innovation and reliability in the delivery of mission-critical services.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to engineering and software implementation, code and software testing, configuring and tracking of metrics, alarms and monitoring.
- Setup the continuous Integration/Deployment Pipeline integrations, pull request, code reviews, mentoring of Junior developers.

Backend Engineer   Aug/2023 – Dec/2023

PharmaServ Inc, **British Columbia, Canada**. Remote work from Nigeria (Passion Project)

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Software Engineer   Apr/2023 – Jan/2025

SynthAlly, **Texas, USA.** Remote work from Nigeria (previous name TradeAlly, company underwent a pivot and rebranding in 2024)

Synth unifies inventory data into one intelligent platform, automating tasks for improved forecasting and purchase order planning.

- Integrated third-party platforms such as Amazon Marketplace, Shopify, and QuickBooks, enabling seamless data ingestion for inventory, sales, and order tracking.
- Implemented a multi-brand dashboard, allowing users to manage multiple brand accounts independently without disrupting the existing system architecture.
- Built robust data aggregation pipelines to process and analyze large-scale datasets, enabling real-time analytics and customer-facing dashboards with actionable insights.
- Implemented an intelligent caching system to handle heavy data aggregations, reducing API response times from seconds to milliseconds and significantly improving system scalability.
- Led key backend engineering initiatives, collaborating cross-functionally to drive product innovation and system scalability.
- Developed scalable RESTful APIs to support integrations, optimize performance, and enhance system reliability across multiple services.
- Designed and executed data migration strategies during Synth's major pivot, ensuring a smooth transition to the new system architecture.

Software Engineer

MVX (MVXchange), **Lagos, Nigeria** (Over $2m Raised) (previous name MVXchange, company rebranded to MVX in 2021)

Feb/2022 – Mar/2023

MVX is a digital freight forwarding company that goes the extra mile to connect businesses to air and sea freight forwarders globally.

- Extracted critical business insights using **SQL & NoSQL**, enabling data-driven strategic decisions.
- Redesigned & deployed an **internal payment system**, reducing approval & disbursement time to **5 minutes**.
- Implemented **automated admin notifications & dashboards**, improving operational efficiency.
- Developed a **credit evaluation framework** using **Node.js & MongoDB**, integrating multiple credit bureaus.
- Integrated **trusted payment gateways (e.g., Remita)** for recurring debits, enhancing repayment experience.
- Led backend improvements for **Crystal Ball**, boosting productivity and simplifying business processes.

Intern Software-Engineer

Ansel Tech Inc, **Los Angeles California, USA.** Remote work from Nigeria

Aug/2021 – Sep/2022

Ansel is a financial services tech company that builds FinTech solutions which are efficient, faster — and importantly, makes transactions possible safe for locals and diasporans.

- Unified front-end developers, UI/UX designers, and project managers, ensuring smooth collaboration across the tech stack.
- Integrated multiple credit data APIs using Node.js, NestJS, DynamoDB, and AWS SQS for accurate loan assessments.
- Leveraged React hooks to reduce integration time & data retrieval latency by 40%, enhancing platform efficiency.
- Identified and implemented optimizations, resulting in a 27% improvement in overall site functionality.

Software Engineer Trainee

Stutern, **Lagos, Nigeria.**

Jan/2021 – Aug/2021

Stutern is an EduTech skills development platform that enables tech newbies to go from zero experience to landing their dream job in the technology space.

- Collaborate with UI/UX Designers and other professionals to create a subscription management app where users can manage all their subscriptions.
- Built, tested and deployed scalable, highly available and modular software products.
- Worked on an e-commerce platform for a client, and also implemented a third party API for payment.

Education

Caritas University, Nigeria

B.Sc.Computer Science 2014

Languages

English – Native Speaker

French – Basic

Igbo – Fluent

Yoruba – Fluent