

Olusola Ajayi

Senior Full-Stack Software Engineer

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Professional Summary

Senior Full-Stack Engineer with 8+ years of experience designing and shipping scalable web applications across fintech, AI platforms, and industrial systems. Strong expertise in React, TypeScript, Node.js, Python, and cloud-native architectures on AWS. Known for owning systems end-to-end from product requirements to production deployment, building reliable APIs, performant user interfaces, and data systems that support real-world operational workflows.

Core Full-Stack Expertise

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind, Material UI

Backend: Node.js, TypeScript, Python, Golang, NestJS, Express, FastAPI

API Development: REST APIs, GraphQL APIs, API integrations, authentication (OAuth2, JWT)

Data Systems: PostgreSQL, MongoDB, DynamoDB, Redis, relational data modeling

Cloud & Infrastructure: AWS (Lambda, EC2, S3), Docker, CI/CD pipelines

Architecture: microservices, event-driven systems, scalable API design

Testing: Jest, Cypress, Playwright, integration and end-to-end testing

Developer Workflow: Git, CI/CD, Agile development, cross-functional collaboration

Professional Experience

Senior Software Engineer — [SymxAI](#) | [Ontario, Canada](#) | Apr 2023 – Present

Lead development across frontend and backend systems for a real-time analytics platform processing operational inspection data and media assets.

Built React + TypeScript dashboards that visualize thousands of inspection records and field media assets.

Designed scalable APIs and backend services using Node.js and PostgreSQL for structured inspection data.

Implemented an offline-first synchronization system allowing mobile clients to capture inspection data without connectivity and automatically sync when online.

Improved application performance and reliability through optimized queries, caching strategies, and component-level frontend optimizations.

Senior Software Engineer — [Podopolo](#) | [USA](#) | Jun 2021 – Dec 2022

Led full-stack development for a content and podcast platform used by thousands of users.

Migrated frontend architecture from React to Next.js, improving performance and SEO visibility.

Designed backend APIs and services supporting user engagement, analytics, and content delivery.

Migrated backend data architecture from MongoDB to PostgreSQL to support complex relational queries and improved data consistency.

Senior Software Engineer — [BuyPower Inc.](#) | [Nigeria](#) | Mar 2020 – Dec 2020

Designed and built a multi-tenant electricity vending platform used to generate utility tokens for customers.

Implemented React interfaces for billing, payment workflows, and transaction monitoring.

Built Node.js backend APIs supporting token generation, billing, reconciliation, and payment integrations.

Managed deployment and infrastructure using Docker, Nginx, and AWS EC2.

Earlier Engineering Roles — [Andela](#), [EppMe Digital](#)s, [RCCG HQ](#), [Placid Properties](#) | 2008 – 2019

Built and maintained multiple full-stack applications using JavaScript, Node.js, PHP, Python, Ruby on Rails, MySQL, MongoDB, and PostgreSQL in Agile environments.

Education

BSc Computer Science — Algoma University, Ontario, Canada

ND Electrical/Electronics Engineering — Osun State Polytechnic Iree

Certifications

AWS Certified Cloud Practitioner

Oracle Certified Java SE7 Associate & Professional