

OLUMIDE ADEWOLE .

Full-Stack Developer & AI Engineer with 5+ years of experience delivering scalable, AI-powered platforms using ML models, GPT APIs, and cloud-native stacks. Currently pursuing an MBA in the UK to align deep technical skills with strategic business insight. Seeking roles where I can lead impactful, intelligent product delivery.

PROJECT EXPERIENCE

SBL Invoice – AI-Powered Invoice Software for businesses

Full-Stack Development Project · Next.js, TypeScript, Express.js, MongoDB

June 2025 – Present

- Spearheaded development of “SBL Invoice”, an AI-enabled, multi-tenant invoicing SaaS built with Next.js15, TypeScript and Express/MongoDB; delivers web, mobile (React Native) and client-payment portals from a shared codebase.
- Designed and documented >40 REST endpoints (Swagger) covering invoices, receipts, customers, documents and analytics; introduced HMAC-secured Paystack webhooks and JWT / RBAC middleware for bank-grade security.
- Implemented Paystack-driven subscription billing (FREE vs PRO tiers), auto-upgrades via webhooks and hard usage limits (e.g., 15 invoices/mo on free) enforced in service layer.
- Integrated real-time exchange-rate service and currency utilities, shrinking API responses by 85 % while ensuring multi-currency invoice generation (USD ↔ NGN).
- Built responsive Next.js dashboard and component library (Tailwind CSS, React-19) with live charts, AI chat assistant and theme-aware UI; optimised local state & rate-limited API calls for sub-100 ms interactions.
- Added secure file-upload module (PDF, DOCX, XLSX) with S3-compatible storage and on-the-fly PDF generation for invoices/receipts.
- Established CI/CD pipeline and environment-specific configs (Docker, Cloud Run), implementing structured logging, global error handler and CORS/security headers across environments.
- Live at: <https://managementsystem.southbytelabs.com>

NoTypeAI – AI Writing Assistant

Full-Stack Development Project · React, TypeScript, Node.js, OpenAI API

December 2024 – January 2025

- Built and deployed a production-grade AI writing assistant handling 100+ concurrent users with 99.9% uptime, implementing rate limiting and scalable architecture
- Developed secure authentication system using Google OAuth 2.0 and MongoDB session management, ensuring enterprise-grade security for user data
- Created responsive frontend with React/TypeScript featuring real-time content generation, theme customization, and multi-language support
- Engineered robust backend with Express.js, MongoDB, and Docker, implementing RESTful APIs and security best practices
- Deployed full-stack solution using Netlify (frontend), Render.com (backend), and MongoDB Atlas, with automated CI/CD pipelines
- Live at: <https://notypeai.com>

WORK EXPERIENCE

Artificial Intelligence Engineer

Sabi AM – Victoria Island, Lagos (Remote)

April 2024 – Present

- **Reduced manual HR workload by over 50%** by designing and deploying an AI-powered HR system that automated key administrative workflows in onboarding and offboarding staff.
- Improved **product user experience and adoption** by fine-tuning and integrating custom AI models into the core software, enabling smarter user interactions and personalized recommendations.
- **Enhanced model performance and deployment speed** by implementing efficient training pipelines, optimizing inference, and integrating models with production-ready APIs.

IT Support Staff

Maryland Global Initiatives Corporation – Asokoro, Abuja

December 2022 – October 2023

- **Improved operational efficiency** by providing timely technical support and managing IT assets across departments.
- Reduced **hardware replacement costs** by diagnosing and repairing IT equipment, increasing device reusability and lifecycle.

Software Engineering Intern

Sterling Bank – Marina, Lagos

July 2022 – October 2022

- Increased **data processing efficiency by 20%** by automating data cleaning workflows using Python and Excel macros.
- Enabled **clearer decision-making for asset tracking** by analyzing asset datasets and building visual dashboards in Power BI.

EDUCATION

- **York St. John University**, York - *MSc. Business Administration (MBA) - Present*
- **Pan-Atlantic University**, Lagos - *MSc. Data Science, Artificial Intelligence Focus (4.0 CGPA)*
- **Ajayi Crowther University**, Oyo - *BSc. Computer Science*

LICENSES, CERTIFICATIONS & PUBLICATIONS

- **JPMorgan Chase & Co. Software Engineering Virtual Experience** - [View Credential](#)
Issued by Forage · Feb 2025 · Credential ID: pzBTBqXARxEDnRyBE
Covered: Java, Apache Kafka, Git, REST APIs, and system design fundamentals
- **British Airways Data Science Virtual Experience** - [View Credential](#)
Issued by Forage · Jan 2024 · Credential ID: RtnGjgy7mjyHttdfL
Covered: Data cleaning, manipulation, exploratory analysis, visualization, and communication of insights
- **Benchmarking Machine Learning Techniques for Phishing Detection and Secure URL Classification** - [Read Publication](#)
International Journal of Computer Science and Mobile Computing · Jan 2025
Conducted a comparative analysis of Random Forest, SVM, and Decision Tree classifiers on 640,000+ phishing and benign URLs, with Random Forest achieving top accuracy (87.85% on Aalto, 86.86% on Kaggle).

SKILLS

Languages: Python, JavaScript | **Frameworks & Tools:** React, Node.js, Express.js, Tailwind CSS, Scikit-learn, TensorFlow | **DevOps & Cloud:** Docker, Netlify, Render, Runpod, GCP | **AI/ML APIs:** OpenAI API, Transformers | **Version Control & APIs:** Git, RESTful APIs