



JAMES E. OLAOGUN

Senior Full Stack Developer | AI Agent Engineer | Mentor

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 <https://jamesolaogun.com/>

I'm a software engineer focused on building products that solve real, practical problems. My work spans backend systems, product development, and workflow design.

More recently, I've been working with AI and LLMs, designing both code-based and no-code multi-agent orchestration and workflows that solve problems, help teams automate tasks, reduce operational bottlenecks, and work more efficiently.

Key Skills & Expertise

Software Development & Architecture

Full-stack expertise, microservices, scalable systems. JavaScript, TypeScript, PHP (Laravel), React, and queueing systems like Redis and RabbitMQ.

Cloud & Infrastructure

AWS, Azure, DevOps, Digital Ocean, Docker, and CI/CD pipelines.

OpenAI Realtime API (low-latency streaming, WebSockets)

LLM tool use

Including memory and context injection

AI safety

Including guardrails and production governance

Product Development & Innovation

Bringing new ideas from concept to market, leveraging AI & data analytics.

Agentic AI architecture & multi-agent orchestration

Code-based tools, like Langchain, Langgraph and no-code tools like n8n workflow automation & extensibility.

Database Administration

PostgreSQL, MySQL, and MongoDB.

Model Context Protocol (MCP) integrations

PROFESSIONAL EXPERIENCE - FULL TIME

03/2024 – present
Manchester, United Kingdom

Senior Full Stack Developer Immersify Education

- Managed the Content Studio backend, designing, building, and debugging the system that sits behind how content is delivered in the Immersify app.
- Led the architecture and development of a multi-agent AI system, serving as a core AI engine to simplify content creation and processing, improve team productivity, and reduce operational turnaround times across workflows.
- Led a small team to improve backend performance, guiding investigation and fixes across APIs and data access layers, cutting key response times from 5+ minutes to under 1 second.
- Managed the analytics portal, leading its design, development, and debugging, supporting partner metrics, high data volumes, and improving how queries and database operations are handled.

11/2021 – 03/2024
Vancouver, Canada

Senior Full Stack Developer (Remote)
Numinix Web Development Ltd [✉](#)

- Led the development of a WordPress plugin that reduced the amount of time required to search for the SKU of purchased products by 70%.
- Mentored 1-3 other engineers per quarter towards a 15-20% improvement in software development skills and efficiency, resulting in a 3-10% increase in company growth and revenue.
- Fix front-end and back-end bugs, and provide ongoing maintenance and improvement services for 3-5 e-commerce platforms, resulting in over 15% increase in customer satisfaction and website performance.

03/2020 – 12/2022
Lagos, Nigeria

Senior Software Engineer
CreditPRO Business Support Services Limited [✉](#)

- Engineered a fully automated loan product that generated over a thousand subscriptions in the first three weeks of launch and disbursed over 3 million Naira in loans.
- Grew and managed the development team, scaling from a one-person setup to a four-engineer team, coordinating delivery, reviewing work, and supporting day-to-day execution.
- Designed and delivered a simplified loan application flow that reduced loan lifecycle time by ~65%, improving both user experience and internal operations.

02/2020 – 03/2021
Ogun, Nigeria

Software Engineer
Crownbirth Ltd [✉](#)

- Built the core architecture of TAMS Basic, a school management system that reduced onboarding friction by ~70%.
- Developed an e-assessment module used by 500+ postgraduate students during COVID-19 lockdowns.
- Maintained and extended core modules, contributing to 50%+ growth in client adoption.

Professional Experience - Contract

03/2022 – 01/2024
Chicago, United States

Technical Writer [✉](#)
Draft.dev

- Create 3-6 tutorials and opinion-related content such as Build a Node.js Payment Gateway with Rapyd, Comparing Real-Time Databases, and Sending WordPress Notifications for technical & non-technical individuals quarterly.

04/2021 – 10/2021


Technical Writer
Inspir

- Create 3-6 tutorials and opinion-related content about agile methodology and microservices such as What Are The Benefits Of Microservices to Organizations? [✉](#) and What are Agile Teams: The Spotify Model [✉](#) for technical & non-technical Individuals quarterly.

EDUCATION

- 2023 – 2023 **Certificate in Launching Tech Ventures**
Harvard Business School Online
Grade: Complete
- 09/2016 – 06/2021 **Bachelor's degree, Computer Science (Education)**
Ogun, Nigeria **Tai Solarin University of Education**
4.45 of 5.00 CGPA
- 01/2026 – Present **MBA**
Manchester, UK **Alliance Manchester Business School**

ORGANIZATIONS - VOLUNTEERING

- 12/2022 – present **ADPList** 
Software Engineering, Content writing and Design Mentor
- Mentor an average of 10-15 individuals monthly in the fields of software engineering, content writing, and design.
- Provide guidance and support to mentees in developing their skills, offering feedback and career advice, and sharing resources and knowledge to help mentees improve their expertise in their respective fields.
- 03/2018 – 04/2021 **ICT Coordinator**
Lagos, Nigeria **National Fellowship of Foursquare Students**
- Engineered a user-friendly registration interface to make registering for the organization's annual convention easier.
- Developed a personal invitation web application that allowed over 1000 students to customize personal invitations.
- Lead and organized over 50 active ICT leaders across 92 post-secondary school campuses in Nigeria.

LANGUAGE

English • Yoruba • Spanish