

# Oluwafemi Ajanaku

Fullstack & AI Engineer | Fintech, Developer Tools & Intelligent Systems | Lagos, Nigeria (Remote Available)  
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## PROFESSIONAL SUMMARY

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Fullstack & AI Engineer with 4+ years building fintech platforms, intelligent systems, and developer tools. Skilled across the full delivery stack from LLM integration and computer vision to React frontends and cloud infrastructure with proven ability to ship production-ready products that generate measurable revenue. Contributed to \$10,000+ in client revenue at Bles Software through end-to-end project delivery. Expert in React, Node.js, Python, and TypeScript, serving applications with 100,000+ users. A non-traditional path from animal science to software engineering brings sharp analytical thinking and a first-principles approach to every problem.

## TECHNICAL SKILLS

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**AI & ML:** LLM Integration (OpenAI, Anthropic, Gemini), LangChain, LangGraph, Prompt Engineering, Computer Vision (OpenCV, YOLO), Model Fine-tuning, AI Agents, MCP Servers, NLP, RAG Pipelines

**Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), Zustand, Redux, TailwindCSS, HTML5, CSS3, Responsive Design, Web Performance Optimisation

**Backend:** Node.js, Express.js, NestJS, Python (FastAPI, Flask, pandas), RESTful APIs, GraphQL, WebSockets, Microservices, Event-driven Architecture

**Databases:** MongoDB, PostgreSQL, Redis (Caching), Database Design, Query Optimisation, Vector Databases (Pinecone / pgvector)

**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes (basics), GitHub Actions, CI/CD Pipelines, Linux, Serverless Architecture

**Algorithmic Trading:** MQL5 (MetaTrader), Pine Script (TradingView), Strategy Backtesting, Signal Logic, Automated Execution

**Testing & Practices:** Jest, Unit & Integration Testing, Agile/Scrum, TDD, Code Review, Technical Documentation, Security Auditing

## PROFESSIONAL EXPERIENCE

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**Fullstack & AI Engineer** | **Bles Software** | Lagos, Nigeria | January 2026 – Present

- Delivered multiple client projects end-to-end across AI engineering, backend, frontend, and fullstack disciplines, contributing to \$10,000+ in revenue for the agency through consistent on-spec, on-time delivery.
- Built MatchAI, a dating app that deploys an LLM as a real-time conversational intermediary between matched users, improving communication quality and compatibility scoring through contextual AI analysis.
- Developed Cerebro, an AI-assisted surveillance system capable of autonomously detecting, alerting on, and recording suspicious activity — trained the computer vision model, and engineered both the backend processing pipeline and the frontend monitoring dashboard.
- Engineered a gold trading bot (XAU/USD) in MQL5 for MetaTrader, implementing automated entry/exit logic, risk management rules, and real-time execution against live market data.
- Wrote a TradingView strategy in Pine Script with configurable signal logic and backtesting output, enabling clients to validate and deploy systematic trading strategies.

**Founder & Lead Engineer** | **Apperio (apperio.dev)** | Lagos, Nigeria | August 2025 – Present

- Built and launched Apperio (formerly LogHive), a production-ready logging and monitoring SaaS platform processing 500,000+ log events/month, live at apperio.dev.
- Engineered RESTful API with Node.js and Express.js featuring event tracking, custom query language, and configurable alert rules with 99.9% uptime.
- Designed MongoDB schema and indexing strategy supporting sub-200ms queries across 5M+ documents.
- Integrated JWT authentication and RBAC supporting 50+ beta users; achieved 85% test coverage

**Software Engineer** | **Vesti** | Lagos, Nigeria (Remote) | March 2025 – Present

- Architected and deployed 5 core features for fintech migration platform serving 200,000+ active users globally, contributing to a 35% increase in monthly transaction volume.
- Reduced API response times by 40% through Redis caching and query optimisation, improving user retention by 22%.

- Led TypeScript migration across 15+ components, reducing production bugs by 30%.
- Designed real-time webhook system for payment notifications processing 2,000+ events/day at 99.8% reliability.
- Shipped redesigned onboarding flow (Agile, 3 designers + 4 engineers), lifting conversion rate from 45% to 68%.
- Established GitHub Actions CI/CD pipeline, cutting deployment time from 2 hours to 15 minutes..

**Frontend Developer (Contract)** | [VendBite](#) | Manchester, UK (Remote) | February 2024 – November 2024

- Built modular React components for event creation, ticketing, and attendee management, accelerating feature delivery across the platform.
- Reduced page load time by 40% via code splitting, lazy loading, and image optimisation; cut client-side bugs 60% with Zustand.
- Designed responsive TailwindCSS layouts and participated in Agile sprint planning and code reviews.

**Junior Developer** | [LykDat](#) | Amsterdam, Netherlands (Remote) | August 2022 – December 2023

- Developed responsive React/TailwindCSS components for a customer-facing dashboard used by 500+ clients.
- Completed migration of legacy codebase to modern standards and resolved 40+ cross-browser bugs.

## PROJECTS

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**Apperio** — Developer Logging & Monitoring SaaS — Live at [apperio.dev](#) | *Node.js, Express, MongoDB, React, Next.js, Docker, AWS*

- Real-time log streaming, custom query builder with 10+ operators, and configurable alerting — deployed on AWS EC2 with 99.9% uptime.
- Processes 500,000+ log events/month; sub-200ms query response across 5M+ documents.

**Apperio SDK** — Full-Stack Application Monitoring Toolkit | *Node.js, TypeScript, Express, MongoDB*

- Lightweight SDK capturing logs, metrics, and exceptions in real time with structured logging and context-based tracing across distributed services.
- Plug-and-play with Next.js, Express.js, and NestJS; reduces setup time by 70%. 50+ open-source commits.

**Cerebro** — AI-Assisted Surveillance System | *Python, OpenCV, YOLO, Node.js, React*

- Autonomous detection, alerting, and recording of suspicious activity using a trained computer vision model.
- End-to-end ownership: model training, backend event pipeline, and real-time frontend monitoring dashboard.

**MatchAI** — AI-Mediated Dating App | *React Native / React, Node.js, LLM APIs*

- LLM deployed as a real-time conversational intermediary between matched users, improving communication quality and compatibility through contextual analysis.

**Basicons** — Open Source Icon Package for Product Designers | *React, Node.js, Storybook*

- 800+ WCAG-compliant SVG icons with React and Figma plugin integrations and a custom build pipeline exporting to React components, raw SVGs, and web font packs.

## EDUCATION

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**Backend Software Engineering Specialisation** — ALX Africa / Holberton University | 2024

**B.Tech, Animal Production & Health** — Federal University of Technology Akure (FUTA) | 2021

## CERTIFICATIONS

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- AWS Certified Cloud Practitioner (In Progress – Expected Dec 2025)
- JavaScript Algorithms and Data Structures — FreeCodeCamp (2022)

## ADDITIONAL

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**Languages:** English (Fluent), Yoruba (Native)

**Availability:** Immediate