

Williams Balogun

AI-Augmented Full-Stack Engineer · React · Node · Python · Agents

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Full-stack engineer with 4 years shipping production apps in TypeScript and Python, increasingly by directing AI to build complete systems end to end. I shipped my own AI job-hunting product (Trajekt), led a multi-agent system that cut task time 40%, and built a quant-research engine disciplined enough to prove its own trading strategy had no edge. The throughline is grounded, high-trust AI that knows when not to act. Most recently I built Orvigo, a WhatsApp receivables agent that returns a question instead of a hallucinated invoice.

EXPERIENCE

Software Engineer

May 2025 – Jul 2026

Airstride (formerly Partner Program AI Ltd) · London, UK (Remote)

- Translated Figma mockups into reusable, accessible UI components with 95% design fidelity across desktop and mobile breakpoints for a production SaaS platform.
- Built RESTful API integrations handling 5,000+ daily requests, with exponential-backoff retry logic sustaining 99.5% uptime at peak traffic.
- Shipped Node.js backend services powered by Claude and OpenAI APIs, automating workflows and cutting manual operational overhead by ~30%.

Tech: Next.js, TypeScript, Node.js, Claude API, OpenAI API, REST

Software Engineer

Aug 2023 – Mar 2025

Dexla Inc · Bristol, UK (Remote)

- Built and launched an AI-powered drag-and-drop web app that grew to 500+ active users, collaborating with 3 developers, 2 designers and 2 PMs across release cycles.
- Led the Infragen AI multi-agentic system (Oct 2024 – Mar 2025) with Next.js, Python, Pydantic AI & Smolagents, cutting task time from 8 min to 4.8 min (40%).
- Unified 20+ REST endpoints via Next.js Server Actions, Fetch API & React Query; intelligent caching eliminated 30% of redundant network calls.
- Trimmed initial load from 3.2s to 2.4s (25%) via component-level code splitting and render optimization (Lighthouse).
- Sustained 98% on-time sprint delivery, mentoring teammates through structured code reviews and documentation.

Tech: Next.js, TypeScript, Python, Pydantic AI, Smolagents, React Query

Software Development Intern

Oct 2022 – Dec 2022

Hotels.ng · Lagos, Nigeria

- Co-built 3 web applications in cross-functional squads spanning frontend, backend & DevOps, contributing to a 15% gain in system reliability.
- Produced responsive, mobile-first interfaces with Tailwind CSS, achieving a 30% uplift in usability scores from 200+ beta testers.

Tech: JavaScript, Tailwind CSS, DevOps

KEY PROJECTS

Trajekt: AI Job-Hunting Platform

- Designed and built end to end (founder; design with Ayowande Olubo): discovers startup roles, writes personalised CEO cold outreach, runs mock interviews, grades them, and coaches the gaps.
- Five grounded AI stages behind one command centre. Every step ties to the real CV & the target company, so you can review it rather than trust magic. Live in beta.

Orvigo: WhatsApp-Native AI Receivables Agent

- A WhatsApp AI that logs who owes a Nigerian SMB money, chases debtors politely, and reconciles payments from plain messages. Built on Python, Pydantic AI & FastAPI over a durable SQL ledger.
- Engineered a record-vs-ask rigor gate so it returns a question instead of inventing an invoice, with every decision (refusals included) written to an audit trail and pinned by 61 offline tests that run with the LLM faked.

Verdkt: AI Trading System & Research Engine

- A multi-timeframe FX/crypto system on MetaTrader 5 plus a walk-forward research engine: pre-registered pass/fail bar, held-out validation, and strictly no look-ahead.
- The rigor proved its own strategy had no robust edge before any real capital was at risk. A case study in honest quantitative research over wishful backtests.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, HTML5, CSS3, SQL
Frontend	React, Next.js, Redux, Context API, State Management, Component Libraries, Responsive Design
Backend	Node.js, Express, NestJS, REST APIs, Microservices, JWT / OAuth
Database	MongoDB, PostgreSQL, DB Design, Query Optimization
AI / ML	Agentic Workflows, Multi-Agent Systems, Pydantic AI, Smolagents, Anthropic SDK, OpenAI SDK, MCP, Prompt Engineering
DevOps & Tools	Git, Docker, CI/CD, AWS, Nginx, Jest, Mocha

EDUCATION

B.Sc. Mechanical Engineering

2016 — 2022 · CGPA 4.03 / 5.00 (Top 10%)

Obafemi Awolowo University · Ile-Ife, Nigeria

- Senior thesis: a Python multiphase mixture model simulating microchannel heat-sink heat transfer, for an 18% efficiency improvement in computational output.

CERTIFICATIONS

- Full-Stack Web Development: JS, React, Node.js, MongoDB (Udemy & Coursera)
- Advanced Python: Data Structures, Algorithms, OOP
- AI/ML Integration: LangChain, OpenAI API, Multi-Agent System Design

LEADERSHIP & ADDITIONAL

Corps Liaison Officer · Sports Lead · YOMA Ambassador

2023 — 2024 · NYSC

- Planned and executed 12 community events & sports competitions for 150+ corps members, on time and within budget.

Methodologies: Agile / Scrum, TDD, Code Review, Technical Docs