Oludotun Longe

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PROFILE SUMMARY

Software Engineer with 8+ years experience building systems, full-stack applications, and AI/Web3 products for startups, agencies, and global teams. Worked across diverse domains including AI assistants, Web3 security, healthcare, media platforms, and fintech. Built products from early stage to scale, handling everything from infrastructure to payments to user-facing features.

KEY PROJECTS

Omni Brain

2025 | https://omin-live.vercel.app

AI RAG Platform - Built a full RAG pipeline using Pinecone + LLMs for multi-source knowledge retrieval. Developed Rust & TypeScript backend for embeddings, chunking, and semantic search. Integrated dashboards, role-based access, and streaming responses for conversational AI workflows.

Technologies: Rust, TypeScript, Pinecone, LLMs, RAG, Azure

Bange.io

2024 | https://bange.io

AI Career Copilot - Built AI-powered resume, cover letter, job search and interview workflows using LLMs and vector search. Architected TypeScript/Next.js frontend + Nest.js API layer with LLM integrations. Implemented smart feedback, job analysis, and scalable session management. Grew to 1000+ users with active monthly and yearly paying customers.

Technologies: TypeScript, Next.js, Rust, Bun, Tauri, NestJS, LLMs, Azure

Linda Ikeji TV

2018

Media platform development - Built the main frontend (95% of the work) and admin frontend for one of Nigeria's leading media platforms. Developed backend service leveraging AWS to convert and load videos from regular formats to HLS format for streaming. Scalable media platform serving millions of users.

Technologies: TypeScript, React, Redux, Node.js, Express.js, AWS

EXPERIENCE

Full Stack Engineer   September 2023 - December 2023

PBR Life Sciences | London, UK | $1M raised through Techsters

Leveraged AI/ML and big data to drive healthcare innovation through full-stack development and optimized user experiences.

- Developed 3 products in rapid succession for pharmaceutical sales data visualization.
- Built Versus, an invite-only SaaS platform allowing companies to visualize PBR's pharmaceutical sales data in tables and charts.
- Wrote the backend leveraging SQL queries for data retrieval, authentication, server hosting, and testing.
- Contributed to the frontend client rendering the data, resulting in 30% increase in user engagement
- Built a Stripe-powered e-commerce platform for PBR products
- Developed another platform similar to Versus but for a different dataset
- All products integrated with Amazon SageMaker for ML data processing

Technologies: TypeScript, Next.js, Node.js, Express.js, AWS, SQL, Stripe

Full Stack Engineer

July 2023 - February 2024

Shield | San Francisco, CA | $7M raised

Automating user security for web3 platforms by developing robust full-stack solutions and optimizing deployment pipelines.

- Built crypto payments infrastructure to accept blockchain-based transactions
- Developed prompt-to-visualization product enabling users to explore connections between transactions and accounts on the blockchain through natural language queries
- Designed REST APIs for wallet analysis and third-party integrations
- Reduced deployment time from days to minutes with containerized GitHub Actions CI/CD pipeline
- Achieved 90% increase in code coverage through automated testing implementation

Technologies: *TypeScript, Next.js, Node.js, Express.js, OpenAI, Ether.js, Web3.js, Docker, CI/CD*

Full Stack Engineer

January 2021 - Present

Freelance (Upwork & Direct Clients) | Global

Delivered production-level applications for global clients through Upwork and direct engagements.

- Built an Excel-like table feature for LucidDreams (2023)
- Developed nestSafari, an Airbnb clone platform
- Built the official web platform with custom blog for Investiv, an agriculture drone company specializing in aerial solutions for West Africa, using React static
- Delivered dashboards, marketplaces, finance tools, and enterprise systems across diverse industries
- Collaborated closely with clients to translate their innovative ideas into functional software solutions using cutting-edge tools and methodologies
- Maintained consistent visual themes across websites by promoting uniform fonts, formatting, images, and layouts for cohesive branding

Technologies: *TypeScript, React, Next.js, Node.js, Express.js, Gatsby, AWS*

Full Stack Engineer

April 2018 - June 2019

Sela | New York City, NY | Joined HatchLabs accelerator program

Led development of blockchain-powered platform ensuring transparency in Sustainable Development Goal projects across Africa.

- Took ownership of Stellar JS SDK integration enabling transparent real-time fund tracking, building workflows bridging complex ledger data to intuitive frontend dashboards
- Led design and engineering of the Sela Web Platform, collaborating with design, backend, and mobile teams
- Built dashboards, media upload interfaces, and project tracking systems that enabled pilots in Makoko and Port-Harcourt
- Contributed to growing the engineering team by interviewing, vetting, and onboarding backend and mobile engineers
- Integrated blockchain technology into a cryptocurrency-based crowd-sourcing platform for sustainable development projects
- Developed robust API endpoints, servers, and micro-services using Node.js, Express.js, and MongoDB

Technologies: *TypeScript, React, Next.js, Node.js, Express.js, PHP, AWS, Stellar SDK*

Full Stack Engineer

January 2018 - January 2021

Fireflies.ai | San Francisco, CA | Now worth $1 billion

Enhanced an AI Voice Assistant for Meetings by developing core functionalities, payment infrastructure, and leveraging data analytics.

- Joined as an early engineer building the AI meeting assistant used worldwide
- Built calendar integrations enabling the AI to automatically join scheduled meetings
- Developed the teammates feature allowing users to add team members to plans
- Built the payments infrastructure handling subscription billing and revenue collection
- Delivered API endpoints, data ingestion pipelines, and analytics
- Collaborated with ML teams to support AI transcription workflows
- Analyzed user activity and behavior to provide data-driven insights for marketing and product teams

Technologies: *TypeScript, React, Node.js, Express.js, Meteor, AWS, Python, Microservices*

Full Stack Engineer

January 2018 - June 2018

Swipe | Lagos, Nigeria

Delivered digital solutions by contributing to existing projects and architecting scalable front-end solutions for web development agency.

- Built GTBank's Bank 737 web platform using PHP and React
- Developed frontend for CICO, a time tracking platform
- Worked on the Linda Ikeji TV project during this period
- Contributed new code and implemented features in existing projects
- Collaborated with the development team to analyze project requirements and design effective scalable frontend architectures
- Created and implemented scalable and maintainable front-end architectures for new projects

Technologies: *React, Redux, PHP, Node.js, Express.js, JavaScript, AWS*

Full Stack Engineer

February 2017 - December 2017

Planet NEST | Akure, Nigeria

Built high-quality websites and platforms using modern web technologies and mentored aspiring developers.

- Built the initial Nigerian Women Techsters platform (frontend and backend), a platform that has trained 1000+ Nigerian women in tech and STEM skills
- Developed gidicompare, a platform to compare prices of different products
- Built the official website for planetNEST
- Built websites and platforms using HTML, CSS, and JavaScript, ensuring high-quality user experiences and responsive design
- Developed web applications using React and PHP, implementing efficient and scalable solutions
- Contributed to the growth of the talent accelerator program by serving as a coding instructor, fostering the development of aspiring web developers

Technologies: *React, Redux, PHP, JavaScript*

EDUCATION

Bachelor of Engineering in Electrical / Electronics Engineering

2011 - 2016

Bells University of Technology | Ota, Nigeria

High School Diploma

2005 - 2011

St. Gregory's College | Lagos, Nigeria

SKILLS

- TypeScript
- Rust
- JavaScript

- Wagmi
- Hardhat
- Stellar SDK

- Python
- PHP
- Ruby on Rails
- C++
- C#
- Swift
- Solidity
- React
- Next.js
- Tanstack Start
- Expo
- Node.js
- NestJS
- Express.js
- Hono
- Bun
- GraphQL
- REST
- OpenAI
- Gemini
- Anthropic
- Pinecone
- LangChain
- LlamaIndex
- Ethers.js
- Web3.js
- Docker
- Kubernetes
- Redis
- Kafka
- RabbitMQ
- CI/CD
- DevOps
- Microservices
- API Gateways
- AWS
- GCP
- Azure
- Vercel
- Railway
- Heroku
- VPS
- Cloudflare
- PostgreSQL
- MySQL
- MongoDB
- Prisma
- Supabase
- Firebase
- Tauri
- Electron

CERTIFICATIONS

HackeRank Frontend Developer (React) Certificate - HackeRank, December 2023

HackerRank Node (Basic) Certificate - HackerRank, December 2023

HackerRank JavaScript (Intermediate) Certificate - HackerRank, December 2023

HackerRank Rest API (Intermediate) Certificate - HackerRank, December 2023

HackerRank Software Engineer Certificate - HackerRank, December 2023

REFERENCES

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HOBBIES

Music Production, Continuous Learning in AI