

Ismaeel Akin

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SUMMARY

Multidisciplinary technologist with deep experience across DevTools, real-time systems, LLM workflows, frontend engineering, and AI-assisted platforms. Skilled in architecting fullstack solutions using Supabase, Socket.IO, LangChain, and Flask. Proven ability to build scalable applications, integrate streaming systems, and deliver high-impact documentation across cloud-native and academic environments.

EDUCATION

University of Ibadan

B.Sc., Industrial and Production Engineering
2019

TECHNICAL SKILLS

- **Languages:** JavaScript (React, Node.js), TypeScript, Python, Go, Bash, SQL, C++
 - **Frameworks & Libraries:** React.js, Next.js, Flask, LangChain, LangGraph, Socket.IO
 - **Databases:** PostgreSQL, MySQL, MongoDB, Cassandra, Redis
 - **DevOps & Cloud:** GitHub Actions, Docker, Linux, CI/CD Pipelines, HAProxy, NGINX, Gunicorn
 - **Platforms & Tools:** Supabase, Firebase, Vercel, Heroku, Trello, Notion, Smartsheet
 - **Documentation:** Markdown, Docs-as-Code, GrammarlyGO, Static Site Generators
 - **Others:** Kafka, WebSockets, REST APIs, LLM Integration, CMS, SaaS Tools
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EXPERIENCE

Platform & Research Engineer (Intern)

Dixon Lab, University of Ibadan — Ibadan | Jan 2025 – Jun 2025

- Designed real-time telemetry ingestion with Kafka and Cassandra.
- Developed Supabase-based APIs for data annotation and querying.
- Used LangChain for natural language access to telemetry data archives.

- Stack: Supabase, Kafka, Cassandra, PostgreSQL, LangChain, TypeScript, Vercel
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Technical Writer (Contract)

GitLab — Remote | Jul 2024 – Nov 2024

- Authored and maintained Docs-as-Code content for GitLab's DevSecOps platform.
 - Integrated AI tooling like GitLab Duo and GrammarlyGO to streamline editorial workflows.
 - Improved search, modularity, and accessibility across technical documentation.
 - Tools: Git, Markdown, GitLab MR, Static Site Generators, Trello, GrammarlyGO
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Frontend Engineer

Scout LLC — Remote | Feb 2022 – Jul 2023

- Built production-grade interfaces using React and TypeScript.
 - Delivered real-time features via REST APIs and WebSockets (Socket.IO).
 - Contributed to component libraries, UX polish, and Agile product sprints.
 - Tools: React, TypeScript, WebSockets, REST, Jira, GitHub
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AI-Enabled Learning Consultant

Exituo Inc. — Remote | Mar 2025 – Present

- Designed AI-integrated training workflows and analytics dashboards.
 - Led documentation and onboarding for enterprise learning tools.
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Academic & EdTech Content Specialist (Contract)

Livingston Research — Remote | May 2024 – Jul 2025

- Delivered 300+ technical content pieces across STEM and engineering.
 - Specialized in simulations, code walkthroughs, and tech writing.
 - Tools: Python, MATLAB, SAP ERP, Excel, Google Workspace
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PROJECTS

AkinSpace

Realtime Collaboration & Research Workflow Platform

- Designed a private, socket-powered collaboration suite for research teams.

- Integrated Supabase for auth, file upload, presence tracking, and role-based access.
 - Used Socket.IO for messaging, WebRTC (via Jitsi) for embedded video, and Express.js for scalable backend.
 - Features: Role control, signed uploads, whiteboard, notice board, real-time chat.
 - Stack: TypeScript, Supabase, Socket.IO, Express, PostgreSQL, Vercel
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SuperVaani

Research Powered Academic Assistance Software

- Helps users find research papers from the last 10 years with summarization and quiz generation.
 - Supports PDF uploads, instant insights, and concept clarification for students and researchers.
 - Tools: TypeScript, LangGraph, MySQL, Flask
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Academic RAG Platform

University Academic Chatbot

- Developed for Plaksha University community to retrieve answers from academic content.
 - Built chatbot interface with React + TypeScript; used Flask to host LangGraph-powered RAG pipelines.
 - Deployed with HAProxy (SSL), NGINX (web), and Gunicorn (app server) on Linux.
 - Stack: LangChain, LangGraph, Llama 3.1, Flask, React, SQL
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VOLUNTEER & COMMUNITY WORK

Tutor & Mentor – *Larva Academy* | Jan 2021 – Jul 2022

- Mentored students in fullstack web development (HTML, CSS, JavaScript, Node.js).
- Led capstone-based curriculum and live sessions.