

# Ibrahim Aminu

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## Full-Stack Developer

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## Professional Summary

Full-stack developer with strong experience building scalable web and LLM-powered applications. Specialized in **TypeScript, React, and Node.js**, with hands-on experience delivering production-ready systems. Skilled in **LangChain, vector databases**, and modern backend architectures. Focused on clean code, performance, and long-term maintainability.

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## Technical Skills

### Languages

TypeScript, JavaScript (ES6+), Python, C, Java

### Frontend

React, Redux Toolkit, HTML5, CSS3, Bootstrap

### Backend

Node.js, Express, Flask, REST API design

### Databases

MongoDB, Mongoose, MySQL, SQL

### LLM & AI Engineering

LangChain, OpenAI API, Retrieval-Augmented Generation (RAG), Pinecone, FAISS, Chroma

### Testing, Tools & Deployment

Git, GitHub, Linux, Bash, Jest, Supertest, Render, Heroku

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# Projects

## Retail Management System – Full-Stack (TypeScript, React, Node.js, MongoDB)

- Built and deployed a retail management system for small to medium-sized businesses.
- Implemented sales processing, inventory tracking, customer credit management, and automated receipt generation.
- Improved operational efficiency through centralized data handling and reliable backend services.

## Hangspot – Social Web Application (Flask, Bootstrap)

- Designed and developed a social platform for sharing Wi-Fi and hangout locations.
- Implemented user authentication, profiles, likes, and responsive UI.

## Desktop & Utility Applications – Python

- Built multiple GUI and CLI applications including:
    - Typing Trainer (Tkinter)
    - Watermark Image Editor (Tkinter)
    - Games using Turtle Graphics
  - Focused on usability, clean logic, and maintainable code.
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# Education

**B.Sc. Computer Science** – Ahmadu Bello University, Zaria

*In Progress*

**Software Engineering Program** – ALX / Holberton School

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# Certifications

- Software Engineering Program – ALX / Holberton School
- Full-Stack Developer – University of Helsinki
- English for IT Communication – Cisco
- Microsoft / ALX Professional Foundations Program