

David Bakare
Software Engineer
Lagos, Nigeria

+2348077938947 | bakaredavid007@gmail.com | [linkedin.com/in/3akare](https://www.linkedin.com/in/3akare) | 3akare.vercel.app

Education

University of Ilorin

Ilorin, Kwara · Oct 2025

B.Sc. Information Technology - CGPA: 4.43/5.00

Relevant Coursework: Low-Level Programming, Information Systems, Network Security

Honors: Second-Class Honours (Upper Division)

Certifications: HCIA-Datcom, HCIA-Security, Holberton Software Engineering Certificate

Technical Skills

Languages: JavaScript/TypeScript, Java, Python, C

Frameworks/Tools: NextJS, ReactJS, Spring Boot, NestJS, Firebase, gRPC, SQL/NoSQL

Core Concepts: Data Modeling, System Design, Automation, Networking, Security

Work Experience

Remita Payment Services Ltd

Software Engineer Intern

Lagos · Apr 2024 - Oct 2024

- Developed a high-throughput notification service using Spring Boot and Apache Kafka, processing over 20,000 requests per second across Remita's payment infrastructure
- Integrated Google ReCaptcha v3 into production-level apps to reduce fraud and bot activity across login and transaction flows
- Built an internal engineer appraisal system with Spring Boot, MySQL, OAuth 2.0, and GitLab APIs, enabling performance reviews and contribution tracking within the dev team

Customer Experience Intern

- Resolved 300+ support issues ranging from API integration failures to transaction disputes using Zoho Workspaces
- Onboarded incoming interns by walking them through key internal tools and support protocols over Microsoft Teams
- Managed task prioritization within the support intern team to ensure timely response to high-impact tickets

Allcast Nigeria Ltd

Software Engineer

Remote · Mar 2024 - July 2024

- Led development of the company's public website using ReactJS, coordinating version control and deployment via cPanel
- Built an internal ticketing and task tracker using NodeJS and PHP, including automated email notifications for pending tasks
- Assisted HR in technical screenings and live interviews during the company's expansion phase

Leadership & Activities

Dept. of Information Technology

Class Representative

University of Ilorin · Oct 2024 - Sept 2025

- Acted as liaison between over 100 students and academic staff, resolving issues related to class schedules, exams, and coursework
- Managed centralized distribution of lecture materials and coursework updates
- Represented student concerns in departmental meetings during curriculum planning and policy updates.

Projects

Imbed

Java

A lightweight in-memory key-value store supporting GET and SET with active/passive expiration.

- Uses RESP for compatibility with existing Redis clients.
- No persistence (yet).

Drater

Next.js, Python, gRPC, Tensorflow, Gemini-2.0-flash

A system for real-time sign language recognition and translation.

- Uses MediaPipe to extract keypoints from video, a Bi-LSTM model for gesture classification, and a gRPC pipeline for serving predictions.
- Final text output is cleaned and translated with Gemini-2.0-flash.

Relay

Python, CMake, vcpkg

A lightweight build automation tool and package manager for C/C++ projects. Inspired by Build2 (<https://build2.org>).

- It handles compilation, dependency resolution, and workspace management using a simple Python-based DSL.

u0date

C, ncurses

A minimalist terminal-based text editor built in C using ncurses.

- Supports basic features like undo, redo, cursor movement, and editing modes (Normal/Insert).
- Designed for simplicity, speed, and low memory usage.

Monty

C, Ubuntu 20.04

A bytecode interpreter for a custom stack-based language.

- Executes Monty instructions (push, pall, pop, etc.) by parsing `.m` files line-by-line, managing a doubly linked list stack structure in memory.
- Built on Linux (Ubuntu 20.04)