

HARMONY WISDOM KOOME

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BACKEND SOFTWARE ENGINEER

PROFESSIONAL SUMMARY

Innovative backend software engineer with 2+ years of experience in full-stack development, specializing in JavaScript (Node.js) and DevOps. Proven success in designing high-performance, scalable applications, streamlining development workflows, and leading cross-functional teams. Strong advocate for automation and system optimization to enhance efficiency. Passionate about clean code, process automation, and mentoring future developers through open-source contributions.

CORE COMPETENCIES & TECHNICAL SKILLS

🔗 Backend Development 🔗 API Development 🔗 System Design 🔗 DevOps & CI/CD 🔗 Database Management 🔗 Software Testing & QA 🔗 Process Automation 🔗 Version Control (Git) 🔗 System Debugging 🔗 Cloud Computing 🔗 Data Structures & Algorithms

LANGUAGES & TECHNOLOGIES:

JavaScript/TypeScript | Python | C | Bash | Node.js | Next.js | Flask | Git | MySQL | NoSQL | Monty | Docker | AWS | Kubernetes | REST APIs

PROFESSIONAL EXPERIENCE HIGHLIGHTS

SOFTWARE ENGINEERING INTERN

Curlture Wellness and Fitness ◊ Meru, Kenya ◊ 2023

- ⇒ Led end-to-end development of a gym management system using **Node.js** and **Python Flask**, reducing manual errors by **25%** and boosting client retention by **15%**.
- ⇒ Automated QA testing workflows with **Bash scripting**, reducing deployment time by **20%**.
- ⇒ Implemented **secure authentication and authorization mechanisms**, enhancing data protection and user privacy.
- ⇒ Developed RESTful APIs for seamless integration with third-party applications, improving system extensibility.

PROJECTS

WeFind ◊ [Capnot34/Wefind](#) ◊ This is a repository for alx final specialization project

- ⇒ Developed a **full-stack web platform** for sourcing talent in various fields.
- ⇒ Built with **Python Flask**, **Node.js**, **React**, **TypeScript**, and **MongoDB**.

- ⇒ Designed scalable **APIs** to handle high concurrent requests efficiently.

LiteLangCompiler ◇ <https://github.com/wisdomwest/litelangcompiler>

- ⇒ Created a **custom compiler** for a kid-friendly programming language, written in **C**.
- ⇒ Implemented **lexical analysis and interactive tutorials**, which were adopted by two local schools for coding workshops.

Source_control_system ◇ [wisdomwest/source_control_system](https://github.com/wisdomwest/source_control_system)

- ⇒ Developed a **version control system** similar to Git, using **Python** and **Bash scripting**.
- ⇒ Enabled **efficient source tracking**, file versioning, and change management for developers.

EDUCATION & CERTIFICATIONS

Software Engineering Certificate ◇ ALX Africa ◇ 2024

Bachelor of Science, Applied Computer Science ◇ Daystar University ◇ Expected 2027

Kenya Certificate of Secondary Education (KCSE) ◇ Alliance High School ◇ 2022