

John Mwangi Kagunda

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Career Objective

Passionate software engineer with over 2 years of experience building scalable web applications, specializing in AI RAGAssistant platforms. Skilled in full-stack development with a focus on problem-solving and automation. Seeking to contribute expertise in developing secure and maintainable software while learning from a dynamic and innovative team.

Skills

- **Programming Languages:** Python, JavaScript, HTML, CSS, SQL, Bash
- **Frameworks & Tools:** Flask, Git, Docker, Node.js, React, MySQL, MongoDB, GitHub Actions, Docker-compose
- **Specialized Skills:** Backend development ([certified](#))

Work Experience

Software Engineer Team Lead
Swarmauri, Texas, USA
2024 - April 2025

- Designed and implemented the architecture for a powerful AI Kit (Swarmauri SDK), enhancing security and performance.
- Developed and integrated new features, including:
 - Multiple message support in the conversation tool for LLMs.
 - Code Extractor Tool for successful parsing of code files to LLMs.
 - Qdrant Vector Support to expand the number of vector stores.
 - DuckDB integration for improved data handling.
 - Audio multimodal support and Sqlite vector store implementation.
- Led backend development efforts to improve application reliability and performance.
- Designed a database schema for a RAG Assistant Platform.
- Collaborated on architectural design for the RAG Assistant platform.
- Enhanced platform monetization through Stripe integration.
- Partnered with cross-functional teams to deliver high-quality products on time, ensuring compliance and security in software development.

Opensource Projects

- [Mozilla Pontoon](#) (*collaborator*) - **May 2024 - Present**

Interests

- Artificial Intelligence
- Web Development
- DevOps

Languages

- **English:** Fluent
- **Swahili:** Conversational

Additional Information

- **Open to remote work:** Yes
- **Willing to relocate:** Yes