

# Moses Mulobi

Software Developer

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## Professional Summary:

As a Full Stack Software Developer, I specialize in creating user-friendly, scalable solutions for complex challenges. With expertise in front-end and back-end development, I am proficient in JavaScript, React, Angular, Node.js, Python, Java, and various database systems like MySQL, PostgreSQL, and MongoDB. My commitment to continuous learning ensures I stay updated with industry trends, allowing me to deliver high-quality applications. I excel in agile environments, working well with cross-functional teams to complete projects on time and within scope. My strong problem-solving skills and attention to detail help achieve successful outcomes and enhance user experiences. Let's connect to collaborate on innovative solutions.

## EXPERIENCE:

*April 2024 - to August 2024*

### Coding instructor at MwalimuPlus Limited

#### Responsibilities:

- Teaching coding languages and concepts: Delivering comprehensive lessons to help students understand and apply various programming languages and principles.
- Simplifying complex topics: Breaking down intricate technical concepts into easily digestible explanations tailored to the students' learning levels.
- Providing clear technical guidance: Offering precise and accessible solutions to technical challenges encountered by students.
- Fostering a supportive learning environment: Ensuring students have access to the necessary tools, resources, and encouragement to thrive in their coding journey.

*February 2022 - March 2024*

## **Software Developer for AI Training at Remotasks**

- Successfully developed and maintained scalable web applications using frontend (React) and backend (Node.js, Express) technologies, directly contributing to the training of AI large language models.
- Built and managed RESTful and GraphQL APIs, ensuring efficient data interactions that enhanced the accuracy and performance of AI models.
- Designed and optimized both relational (PostgreSQL, MySQL) and NoSQL (MongoDB) databases, supporting large-scale data processing and storage requirements for AI training datasets.
- Collaborated effectively with product managers, data scientists, and UX/UI designers to gather requirements and deliver high-quality software solutions that improved AI training workflows.
- Conducted thorough code reviews and provided mentorship to junior developers, fostering a culture of quality and continuous improvement within the team
- Implemented CI/CD pipelines using Jenkins, CircleCI, and GitHub Actions, automating testing and deployment processes to ensure rapid and reliable delivery of new features and updates.
- Deployed and managed applications on AWS, utilizing services such as EC2, S3, RDS, and Lambda to ensure scalability, availability, and cost-efficiency.
- Developed and executed comprehensive unit, integration, and end-to-end tests using Jest, Mocha, and Cypress, ensuring the robustness and reliability of applications used in AI model training.
- Enhanced user interfaces in collaboration with design teams, improving user experience and engagement with AI training tools.
- Applied security best practices in coding and deployment, protecting sensitive data and ensuring compliance with industry standards and regulations.
- Utilized remote collaboration tools like Slack, Zoom, and Jira to communicate effectively, manage tasks, and track project progress in a fully remote work environment.
- Identified and resolved performance bottlenecks in both frontend and backend components, significantly improving the efficiency of AI training processes.
- Created and maintained comprehensive documentation for codebases, APIs, and development processes, facilitating knowledge sharing and onboarding of new team members.

Through these efforts, I played a key role in advancing the development and training of AI large language models at Remotasks.

*December 2021 - September 2022*

**Software Engineer Intern at Twiga Foods Limited**

**Responsibilities:**

- Collaborate with senior developers to design and implement full-stack solutions
- Develop user-friendly frontend interfaces using HTML, CSS, and JavaScript frameworks (such as React, Angular, or Vue.js)
- Write clean, efficient, and scalable code for backend services using programming languages such as Python, Java, or Node.js
- Assist in database design, optimisation, and management
- Participate in code reviews, testing, and debugging processes
- Contribute to project planning, brainstorming sessions, and idea generation
- Research and evaluate new technologies to improve system performance and functionality.

*January 2021 - December 2021*

**Market Research Assistant at Twiga Foods Limited**

**Responsibilities:**

- Data Collection and Field Research: Conducted surveys, interviews, and focus groups with farmers, vendors, and customers to gather market data and insights.
- Data Analysis and Reporting: Compiled and analyzed quantitative and qualitative data using tools like Excel and statistical software, generating reports to inform business strategies.
- Market Insights and Strategy Support: Provided actionable insights on market trends, product demand, and customer behavior to support decision-making for sales and product development teams.

- Stakeholder Engagement: Built and maintained strong relationships with farmers and vendors, ensuring effective communication and feedback to improve services and product offerings.
- Process Improvement: Collaborated with cross-functional teams to streamline data collection processes and improve the accuracy and efficiency of market research activities.
- Competitor Analysis: Conducted research on competitors to evaluate their offerings, market positioning, and pricing strategies, contributing to Twiga Foods' competitive advantage.
- Support for Marketing Initiatives: Assisted in organizing promotional activities and events, enhancing Twiga Foods' visibility and engagement within the agricultural community.

## **EDUCATION:**

*November 2021 - January 2024*

### **Hoberlton School**

Software Engineering Certification

Specialization in Backend programming

[Credential](#)

*September 2015 - December 2021*

### **Masinde Muliro University of Science and Technology**

Bachelor of science

Second class Honors: Upper Division

## **SKILLS:**

- Frontend Development: Proficient in creating responsive and user-friendly interfaces using HTML, CSS, JavaScript, and modern frameworks such as React, Angular, and Vue.js. Experience with UI/UX design principles and tools like Figma and Sketch.

- **Backend Development:** Strong knowledge of server-side programming with languages like Node.js, Python (Django, Flask), Ruby on Rails, and Java. Experience in building RESTful APIs, GraphQL, and microservices architectures.
- **Database Management:** Expertise in designing, implementing, and managing relational databases (MySQL, PostgreSQL) and NoSQL databases (MongoDB, Redis). Skilled in writing complex SQL queries, database optimization, and data migration.
- **Version Control:** Proficient with Git for version control, including branching, merging, and pull request workflows. Experience with platforms like GitHub, GitLab, and Bitbucket.
- **DevOps:** Knowledge of CI/CD pipelines, automated testing, and deployment using tools such as Jenkins, CircleCI, and GitHub Actions. Familiarity with containerization and orchestration technologies like Docker and Kubernetes.
- **Cloud Services:** Experience with cloud platforms such as AWS, Azure, and Google Cloud. Skills in setting up and managing services like EC2, S3, RDS, Lambda, and Kubernetes Engine.
- **Software Development Life Cycle (SDLC):** In-depth understanding of Agile methodologies (Scrum, Kanban) and experience working in Agile teams. Proficient in using project management tools like Jira, Trello, and Asana.
- **Testing:** Expertise in writing unit, integration, and end-to-end tests using frameworks like Jest, Mocha, Chai, Cypress, and Selenium. Experience with TDD and BDD practices.
- **Security:** Knowledge of web application security best practices, including OWASP guidelines, secure coding, and vulnerability assessment tools. Experience with authentication and authorization mechanisms like OAuth, JWT, and SAML.
- **Communication & Collaboration:** Strong interpersonal and communication skills, enabling effective collaboration with cross-functional teams, stakeholders, and clients. Experience in conducting code reviews, pair programming, and technical mentoring.
- **Problem-Solving:** Proven ability to troubleshoot and solve complex technical problems. Strong analytical skills and attention to detail in diagnosing and debugging applications.
- **Continuous Learning:** Committed to continuous learning and professional development. Up-to-date with the latest industry trends, technologies, and best practices through courses, conferences, and self-study.

