## **SKILLS & TECHNOLOGIES**

- JavaScript
- API development
- API integration
- Software debugging
- Software testing
- Python programming
- Creative problem solving
- Agile methodologies
- Version Control
- Technical documentation
- Containerization technologies
- ETL development
- SQL programming
- Data pipelining
- Apache Airflow
- SEO
- Backend frameworks expertise
- Front-End development tools

## **CERTIFICATIONS**

- Mobile Web Development, Google Developers Group, 8B2556C99F8C57ED, 2021-01-01, 2021-04-30
- Google Cloud, Google Developers Group, DEC81D064502C95, 2019-06-01, 2019-08-31

## **EDUCATION**

2022

Meru University of Science and Technology (MUST) | Meru, 26 Bachelor's degree: Computer Science

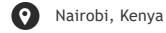
## **LANGUAGES**

English: C2
Proficient

## Tim Maina







### **SUMMARY**

Software engineering professional with 4+ years of experience in backend-focused full-stack development, agile methodologies, and code optimization. Passionate about leveraging AI technologies to build intelligent, scalable solutions that enhance system performance. Demonstrates strong problem-solving abilities in designing robust architectures and improving efficiency. Excels in collaborative environments, contributing to project success through effective communication and teamwork.

### **EXPERIENCE**

03/2024 - 09/2024

Software Engineer

Savannah Informatics | Nairobi, Kenya

- Built and maintained scalable applications by following best backend and frontend development practices, using frameworks such as Django for server-side logic and AngularJS for client-side components.
- Monitored system performance post-deployment, addressing any issues promptly to maintain high levels of operational efficiency.
- Participated in continuous learning initiatives to stay abreast of emerging technologies and methodologies in software engineering.
- Coordinated with product managers to define clear project scopes, ensuring alignment with business goals and objectives.
- Integrated frontend and backend components seamlessly through RESTful APIs to deliver a cohesive user experience across platforms.
- Collaborated with the data engineering team, leveraging tools like Airbyte and Apache Airflow to devise efficient data extraction, transformation, and processing methods.
- Refactored and optimized code to enhance performance, readability, and maintainability,

consistently adhering to industry best practices.

• Wrote comprehensive unit and integration tests and conducted User Acceptance Testing (UAT).

#### 11/2022 - 03/2024

## Software Engineer | Technical Support Engineer Savannah Informatics | Nairobi, Kenya

- Served as the first line of technical support for issues escalated by the Customer Experience team, including those managed through the service desk and other channels.
- Collaborated with cross-functional teams to diagnose, troubleshoot, and resolve complex problems, ensuring efficient operations and reduced turnaround times (TATs).
- Built and maintained scalable applications by following best backend and frontend development practices, using frameworks such as Django for server-side logic and AngularJS for client-side components.
- Enhanced code stability, scalability, and performance through optimization.
- Utilized monitoring tools to track system health and performance, promptly identifying and addressing potential issues.
- Collaborated with product managers to implement automation projects, reducing manual tasks and improving team productivity.
- Monitored system performance post-deployment, addressing any issues promptly to maintain high levels of operational efficiency.
- Participated in continuous learning initiatives to stay abreast of emerging technologies and methodologies in software engineering.
- Created and maintained detailed documentation of technical procedures, user guides, and troubleshooting steps to enhance knowledge sharing.

## 06/2022 - 11/2022

## Software Engineering Intern Savannah Informatics

- Built a full-stack Twitter scraping application using Django for the backend and Django templates with HTML/CSS for the frontend.
- Employed version control tools like Git to manage code changes and collaboration effectively.
- Developed new features and enhanced existing functionality.
- Learnt and followed department processes to help develop software according to requirements.
- Participated in code reviews, providing constructive feedback to peers and incorporating suggestions into

- own work for continuous improvement.
- Participated in Agile development processes, contributing to sprint planning and reviews.
- Conducted thorough testing and debugging of applications to maintain high-quality standards.
- Optimized database queries and API integrations.
- Collaborated with the team to review code and improve software quality.

06/2019 - 08/2019 Junior Web Developer Usalama Technology Limited

- Utilised JavaScript, HTML, and CSS to create interactive and visually appealing web pages.
- Developed and maintained responsive website designs, improving user experience across various devices.
- Integrated social media functionality into websites, boosting online presence and engagement.
- Implemented SEO strategies to improve website visibility and search engine rankings.

### PORTFOLIO AND PROFILES

https://www.linkedin.com/in/tim-maina-787461189

https://tim-maina-portfolio-c1ok.vercel.app/

https://hashnode.com/@tim665 https://github.com/t1m41n4

### **VOLUNTEER EXPERIENCE**

# Asante Africa Foundation August 2021 - April 2022 Information Technology Specialist

- Volunteered to develop tech-driven solutions to enhance learning by creating digital education tools.
- Designed and developed interactive educational content using HTML5, CSS3, and JavaScript for the Kolibri learning platform, enabling offline access to quality learning materials for students.

# The Lewa Wildlife Conservancy April 2021 - June 2021 Information Communication Technology Specialist

- Developed and designed interactive educational content using HTML5, CSS3, and JavaScript for the Kolibri learning platform, enabling offline access to quality learning materials for students.
- Assisted in deploying and maintaining Kolibri systems in classrooms, ensuring seamless functionality of digital learning resources.
- Configured and connected student tablets to a central classroom screen, facilitating collaborative learning and improving engagement.

- Gained hands-on experience in IP networking and device connectivity, ensuring stable communication between learning devices.
- Supported educators and students in adopting and utilizing digital learning tools, enhancing their ability to access educational resources without the Internet.