

# TIM MAINA

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## SUMMARY

Software engineering professional with 3+ 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 to 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 to 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 to 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 to 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.

## **SKILLS & TECHNOLOGIES**

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

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, Volunteer, 2021-08-01, 2022-04-30, Volunteered to develop tech-driven solutions to enhance learning.

EDUCATION

2022

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

LANGUAGES

**English:** C2  
  
Proficient