

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

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 Nairobi, Kenya

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.