

MESHACK KIPLIMO KIMAIYO

Software Engineer

Contact Information:

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- **Portfolio:** this-is-meshack-kimaiyo.netlify.app

CAREER PROFILE SUMMARY

A proficient Software Engineer with a solid conceptual foundation and a deep passion for software development, I have hands-on experience in designing and executing complex software projects. My work is centered on creating user-friendly interfaces and developing robust backend systems. Currently, as an intern at Taquana, I have contributed to key UI/UX components, including an admin dashboard integrated with analytics and Google Maps API. My technical expertise includes a wide range of languages and frameworks such as JavaScript, Python, and TypeScript, as well as tools like Docker, CI/CD pipelines, and various APIs. Committed to continuous learning, I am eager to contribute to innovative and fast-paced environments. I hold a BSc in Software Engineering from the University of Eastern Africa, Baraton

EDUCATION BACKGROUND

BSc. Software Engineering University of Eastern Africa, Baraton (2020-2024)

High school Diploma. St Peter's Marakwet High School. Mean Grade (B+

PROFESSIONAL COURSES

- Power learn project management-cohort 4 ongoing.

PROJECTS

- Farmec Frontend: <https://farmec-frontend.onrender.com>.
- Portfolio: <https://this-is-meshack-kimaiyo.netlify.app/>.

KEY SKILLS AND COMPETENCIES ACQUIRED

Skills and competencies I have acquired include:

- **Administrative and organizational skills:**

- Agile Development
- Test-Driven Development (TDD)
- Software Architecture and Design
- **Social analytical and problem-solving skills:**
 - UI/UX Development
 - Team Collaboration and Communication
 - Research Methods in IT
- **Technical and software skills:**
 - multiple programming languages and frameworks such as JavaScript, Python, and TypeScript. Proficiency in tools like Docker, Git, and CI/CD pipelines is complemented by experience with databases (SQL and NoSQL) and cloud platforms like Azure.
 - API integration (Google Maps, Paystack, Stripe, Daraja), caching, and knowledge of data structures, algorithms, object-oriented programming, and networking (routing and switching).

PROFESSIONAL EXPERIENCE

Software

Taquana - May 2024 – Present

- **UI/UX Development:**
 - **Role:** Led the design and development of user-centric interfaces, focusing on delivering seamless user experiences across Taquana’s platforms.
 - **Achievements:** Successfully created a comprehensive admin dashboard, integrating advanced analytics charts and the Google Maps API. This dashboard has become a critical tool for administrators, offering real-time data insights and geospatial visualization, thereby improving decision-making efficiency and operational oversight.
- **Backend Development:**
 - **Role:** Developed and maintained backend systems, ensuring the stability, scalability, and efficiency of server-side operations using TypeScript.
 - **Achievements:** Designed and implemented robust backend applications that seamlessly support front-end functionalities. Optimized server-side processes, leading to a 20% improvement in application performance and responsiveness. Successfully integrated backend services with third-party APIs, enhancing the platform’s functionality and reliability.
- **Collaboration and Process Improvement:**

Engineer

Intern

- **Role:** Collaborated with cross-functional teams, including front-end developers, data analysts, and project managers, to deliver cohesive software solutions.
- **Achievements:** Actively participated in code reviews and iterative development processes, contributing to a culture of continuous improvement and high code quality. Proposed and implemented enhancements to the development workflow, which reduced deployment times by 15% and minimized bugs in production.
- **Innovation and Learning:**
 - **Role:** Embraced new technologies and methodologies to stay ahead in a rapidly evolving field.
 - **Achievements:** Quickly adapted to new frameworks and tools, demonstrating a steep learning curve and contributing fresh ideas to ongoing projects. Played a key role in the successful deployment of new features that increased user engagement by 25% within the first three months of launch

INTERESTS

- **Full-Stack Development:** Passionate about both front-end and back-end technologies, with a focus on creating comprehensive, end-to-end software solutions that deliver seamless user experiences and robust server-side functionality.
- **Machine Learning:** Enthusiastic about leveraging data-driven approaches and algorithms to build intelligent systems that can learn from data and improve over time, enhancing predictive capabilities and decision-making processes.
- **Artificial Intelligence:** Interested in exploring AI technologies to develop innovative solutions that mimic human intelligence, including natural language processing, computer vision, and advanced data analysis, aiming to solve complex problems and drive technological advancement.

REFEREES

Available upon request.