

Daniel Mbithi Musau

+254 713140809 • musaudanielmbithi@gmail.com • linkedin.com/in/daniel-musau • https://danielmusau.com • https://github.com/DanielMusau

Software engineer with experience in backend and full-stack development. Proven track record of building scalable applications, improving system performance, and enhancing user engagement. Passionate about automation, distributed systems, and cloud infrastructure.

SKILLS

- **Technical Skills:** AWS (S3), CI/CD Pipelines, Docker, Elixir, Git, GraphQL, Microsoft Azure, PostgreSQL, RESTful API
- **Soft Skills:** Analytical thinking, attention to detail, effective communicator, quick learner, results-oriented, strong problem-solving

WORK EXPERIENCE

OnSpace Technologies.

May 2023 - Present

Backend Software Engineer. • Full-time

Technologies: Elixir • PostgreSQL • Azure • AWS • Git

- Led the backend integration of OnSpace with Zapier, empowering users to automate workflows through seamless third-party app integrations, resulting in a 15% increase in user traffic.
- Ensured 99.99% system uptime by applying test-driven development (TDD) practices and proactive monitoring.
- Strengthened deployment stability by implementing gradual rollout strategies, reducing deployment-related incidents, and ensuring high system reliability.
- Built and maintained scalable backend services using Elixir (Phoenix), AWS (S3 Storage), Azure (PostgreSQL, Container Registry), Docker, and GraphQL.
- Developed and maintained GraphQL API endpoints for the OnSpace mobile app, optimizing performance and scalability to handle high volumes of user requests.

VOLUNTEERING & LEADERSHIP

Global Spark

May 2023 - May 2024

Full Stack Development Lead

- Spearheaded a complete revamp of the Global Spark website and Hack the Globe hacker dashboard, leveraging ReactJS and Firebase, improving performance, and increasing user engagement by 20%.
- Collaborated with designers to implement new features, enhancing user experience and interface consistency, improving retention and satisfaction.
- Led end-to-end development of multiple Global Spark products, delivering scalable, maintainable solutions that boosted platform performance by 10%.

EDUCATION

Bachelor of Science in Computer Science

Jomo Kenyatta University Of Agriculture And Technology

Kenya • September 2018 - June 2023

Relevant Coursework: Cryptography, Cybersecurity, Machine Learning, Distributed Systems, Data Structures, System Analysis, Database Management.

PROJECTS

Ueberauth Zapier

Developed and published a custom open-source Ueberauth strategy for integrating Zapier's OAuth2 authentication with Elixir apps and created comprehensive documentation, ensuring easy adoption by the open-source community.

CERTIFICATIONS

Full Stack Software Engineering

February 2022 - November 2023

ALX Africa