

Daniel Mbithi Musau

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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:** Ash Framework, AWS (S3), CI/CD Pipelines, CSS, Docker, Elixir, Functional Programming, Git, GitHub, Google Cloud, GraphQL, HTML, JavaScript, Microsoft Azure, MongoDB, Phoenix Liveview, PostgreSQL, Redis, RESTful API, SQL
- **Soft Skills:** Analytical thinking, attention to detail, effective communicator, quick learner, results-oriented, self-motivation, strong problem-solving

WORK EXPERIENCE

Favored Company March 2025 - Present

Full Stack Engineer • Full-time

Technologies: Elixir • PostgreSQL • Phoenix LiveView • Ash Framework

- Architected and built **HypedBoards**, a real-time, gamified leaderboard platform using Phoenix LiveView, designed to drive productivity and team engagement across departments.
- Integrated HubSpot with **HypedBoards**, enabling real-time data synchronization and streamlined user onboarding through quick sign-up functionality.
- Developed and deployed new features for diverse client applications and internal software, enhancing user functionality and operational efficiency.
- Resolved critical bug reports and maintenance issues based on client feedback, ensuring timely updates and a 20% improvement in system stability.
- Created and maintained detailed documentation for all code changes, adhering to industry best practices and facilitating seamless knowledge transfer during team collaborations.

OnSpace Technologies.

May 2023 - April 2025

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 React and Firebase, improving performance, and increasing user engagement by 20%.
- Collaborated with designers to implement new features, enhancing user experience and interface consistency, and 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.

CERTIFICATIONS

Full Stack Software Engineering

ALX Africa

February 2022 - November 2023