

Alex Maina Kimani

Product Management & Design | Software Engineering | Leadership

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Technical Product Leader with a strong foundation in software engineering and data-driven product development. Experienced in leading cross-functional teams to modernize platforms, optimize data pipelines, and enhance product reliability. Passionate about telemetry, automation, and process excellence using data to detect anomalies early, improve performance, and deliver measurable impact. Skilled at translating complex technical insights into strategies that elevate user experience and system efficiency.

SKILLS

- Product Management & Delivery
- Product Design
- Data-Driven Decision Making
- CI/CD & Automation Frameworks
- System Performance & Reliability
- Cross-Functional Collaboration
- Full-stack Development
- Leadership and Team Management

WORK HISTORY AND EXPERIENCE

TANGAZOLETU LIMITED, NAIROBI

MAY 2025 – PRESENT

Senior Resource - Software Engineer & Technical Product Owner

- Spearheaded the strategic migration of a legacy PHP system, TIBU, to a modern Java backend and Angular frontend, resulting in a significant improvement in system performance and scalability to support users across the Kenyan healthcare domain, focusing on TB treatment. (We are currently rolling out the product and handling change management.)
- Partnering with engineering teams to design telemetry and observability approaches that identify performance regressions and system bottlenecks before deployment - currently using Sentry & Grafana.
- Driving CI/CD and infrastructure automation to improve deployment reliability and reduce release times.
- Coaching a team of five engineers and designers, fostering technical growth and a data-informed development culture.

SAVANNAH INFORMATICS LIMITED, NAIROBI

MARCH 2024 – APRIL 2025

Technical Product Manager

- Orchestrated the product feature definition process, aligning technical and design teams on customer insights; this initiative led to a streamlined workflow that improved delivery timelines by 30% for upcoming projects.
- Collaborated with cross-functional teams to refine product requirements and embed telemetry insights into feature tracking, increasing release frequency by 50%.
- Engaged in continuous communication with designers and engineers to ensure cohesive product development; this effort led to an impressive milestone of 10+ successful features delivered in a single quarter.
- Drove the development of key projects, including [Slade 360 Advantage](#), [eTIMS Integration](#), [Uzazi Salama](#), and [SHA Portal](#), by facilitating weekly strategy sessions; ensured alignment on customer needs, resulting in a 25% increase in feature adoption rates.

Senior Software Engineer (Front-end Heavy)

- Led frontend modernization from AngularJS to Angular and React while optimizing backend performance in Django and PostgreSQL, reducing page load times by 40%.
- Established observability and uptime monitoring for AWS and Kubernetes environments, achieving 99% service availability.
- Implemented telemetry and performance monitoring using Grafana, Prometheus, and Azure Monitor to detect anomalies, assess resource utilization, and drive optimization.
- Introduced automated testing and peer-review practices that improved reliability and reduced post-release bugs by 60%.
- Collaborated with DevOps teams to streamline CI/CD workflows, enhancing delivery efficiency and system visibility.

CONTRA.COM, NAIROBI

APRIL 2020 - FEBRUARY 2023

Full-stack Software Engineer, Remote Contract

- Designed and deployed scalable software systems using Python, Node.js, and React that improved client performance by 40%.
- Built analytics dashboards that identified workflow bottlenecks, reducing process delays by 30%.
- Introduced modular CI/CD pipelines to improve deployment consistency and monitoring coverage.

EARLY EXPERIENCE

2018 - 2020

Worked in web development, brand design, and ICT operations roles that combined technical execution with leadership and creative problem-solving. Led small teams in implementing digital transformation initiatives, improving system usability and data accuracy. Designed user-centered digital experiences that improved product visibility and customer engagement. These experiences strengthened my ability to bridge technology, design, and communication, a foundation I continue to apply in product leadership today.

PROFESSIONAL COURSES

JENGA SCHOOL

JAN 2022 – JAN 2023

Software Engineering Professional Accelerator

EDUCATION

DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

SEPT 2014 - APRIL 2018

Bachelor of Science in Computer Science