

SAMUEL MUTEMI MWANGANGI

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Software Engineer with 6+ years' experience building secure, high-scale systems across multiple continents in collaboration with distributed teams. Skilled in writing concise, readable and testable code. Curious and growth-minded engineer, always learning and ready for the next challenge.

SKILLS

Java, JavaScript, Typescript, Dart, HTML, CSS, Bash, SQL | Spring MVC, Spring Boot, Angular, Next.js, Express.js, Nest.js, Ionic, Flutter | Node.js, Kafka, Docker, Docker-Compose, Docker Swarm, Kubernetes, Helm, Git, Jenkins, Nginx, Apache Server | Oracle, Postgres, MongoDB, Redis, Elasticsearch, MariaDb | Amazon Web Services (AWS), Google Cloud Platform (GCP), Firebase, Supabase, CircleCI, Git, GitHub, Gitlab & GitlabCI, SonarCloud, Sentry

EXPERIENCE

LEAD ENGINEER – ZAA NR (MARCH 2025 – DATE)

- Founded and leading the (ongoing) development of Zaanr, a digital news platform focused on technology and entrepreneurship in sub-Saharan Africa.

SOFTWARE ENGINEER – DIBSY (OCTOBER 2022 – DATE)

- Led key innovations and integrations in the payment's platform, including being first to implement VISA Click-To-Pay in the MEA region and integrating multiple payment gateway APIs, significantly boosting competitiveness and transaction throughput by over 200%.
- Drove platform excellence by implementing scalable microservices, preemptive fraud detection (cutting fraud by 20%), and maintaining high-quality, secure, and reliable code—contributing to the platform's emergence as a leading payments solution in the Middle East.

SOFTWARE ENGINEER – TANGAZOLETU (JUNE 2019 – SEP 2022)

- Led and empowered a cross-functional development team, mentoring peers and accelerating project delivery through agile practices and fast-paced integration with financial platforms.
- Engineered high-performance backend and frontend systems, including Spring-based microservices, Angular/Node.js interfaces, and an Ionic mobile app—reducing SLAs by 30% and boosting product reach by 30%.

WEB DEVELOPER – FREELANCE (FEB 2018 – MAY 2019)

- Built and optimized bespoke user-centric web applications and backends using PHP (WordPress) and Node.js across diverse industries and accelerated SEO results typically within 3 months.

EDUCATION

BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE (BACHELOR'S DEGREE) – KENYATTA UNIVERSITY (2015-2021)

MY DIGITAL FOOTPRINT

LinkedIn: <https://www.linkedin.com/in/samuel-mwangangi-867153106/> | Technical Blog: <https://dev.to/mtsammy40> | General Blog: <https://medium.com/@mtsammy40> | GitHub: <https://github.com/mtsammy40> | Stack Overflow: <https://stackoverflow.com/users/9914081/samuel-mutemi>

PROJECTS

- **Online Payments Platform (Middle East)** – Built and optimized the core backend payments infrastructure for a high-volume platform handling **4+ TPS** and **USD 10M+ yearly volume**. Integrated multiple gateways, enabled smooth refunds, AI-driven fraud detection, and distributed architecture. Achieved **first-in-region integrations**: VISA Click-to-Pay (Middle East & Africa) and Apple Pay Online (Qatar).
- **Lending Engine (Leading Kenyan Bank)** – Developed backend for a lending platform with **bulk disbursement**, an advanced **scoring engine using 30+ data points**, and automated reporting. Powered disbursements of **KES 10M+ daily**.
- **Mobile Banking Platform (Cooperative Societies)** – Engineered a **high-volume platform transacting KES 1.5B+ annually** across 20+ cooperatives. Delivered features including micro-lending with advanced credit scoring, deposits, and withdrawals. Contributed **full-stack**: backend, frontend, and complete mobile app reimplementation.
- **Bulk Funds Disbursement Platform** – Led backend development of a **secure, high-throughput disbursement system** capable of **KES 400M+ daily payouts** to 200k+ beneficiaries, with an advanced approval and security framework.