

Stephen Gatana

Software Engineer

✉ sgatana@gmail.com | ☎ (+254) 726844834 | 🌐 <https://stephen.eramstech.com> |
in <https://www.linkedin.com/in/sgatana> | 🔄 <https://github.com/sgatana>

PROFESSIONAL SUMMARY

I'm a highly skilled Software Engineer with 7+ years of experience architecting robust, scalable solutions. Expert in the modern JavaScript ecosystem (React, TypeScript, Next.js, Vue, Angular) and backend development with modern languages such as Node, Python, Java, etc, with a strong focus on integrating AI-driven capabilities. Deeply skilled in designing efficient database schemas (SQL & NoSQL) and deploying cloud-native applications on AWS, GCP, and Azure. Proven track record of streamlining CI/CD pipelines in distributed, agile environments. Experienced in automated testing (Jest, Cypress) and delivering intuitive, performance-critical user experiences.

WORK EXPERIENCE

Phoenix Digital | UK under DVT

Software Engineer and Consultant (Contract)

September 2024 to present

- Optimized e-commerce frontend performance by implementing lazy loading, code splitting, and SSR, achieving a 30% faster page load time and boosting conversion rates.
- Collaborated cross-functionally with product, design, and engineering teams to develop new member-benefit features, contributing to technical planning, design decisions, and seamless communication across teams.
- Led the migration of legacy Next.js applications (v12 to v14), improving SEO rankings and streamlining the development workflow for better scalability.

Technology stack: JavaScript, TypeScript, Next.js, React.js, Azure, Docker, Lerna, Magento, Drupal, GraphQL

Getir | Turkey

Software Engineer & Consultant (Contract)

February 2021 to October 2024

- Developed a high-traffic order checkout dashboard serving 50,000+ users and processing 1 million+ daily orders using React.js and Node.js.
- Elevated QA processes by establishing automated testing suites with Jest, React Testing Library, and Cypress, significantly reducing unexpected bugs in production.
- Localized the application for a global audience, enhancing accessibility and user engagement across multiple regions.
- Facilitated agile ceremonies and moderated weekly development meetings to align distributed teams on technical goals.

Technology Stack: JavaScript, TypeScript, Next.js, React, Angular, Express.js, Hapi.js, MongoDB, AWS

DVT | South Africa

Software Engineer & Consultant (Contract)

March 2022 to July 2023

- Developed a specialized health management tool for tracking patient data, directly contributing to a new revenue stream.
- Built a comprehensive analytics dashboard to visualize revenue performance using React and Plotly, enabling data-driven executive decision-making.
- Implemented secure payment services integrated with Stripe and Netcash, ensuring seamless transaction processing.
- Established automated deployment pipelines on Azure, reducing time-to-market for critical updates.

Technology Stack: JavaScript, TypeScript, Vue.js, Next.js, React.js, Redux, Docker, Postgres, Plotly, MySQL.

Eneza Education | Kenya
Software Engineer

Jan 2020 to Feb 2021

- Led the front-end team in developing a new educational product for national examination preparation, directly driving company revenue growth.
- Revamped the core product UI/UX to improve student engagement and retention metrics.
- Partnered with DevOps to implement CI/CD pipelines, reducing deployment cycle time by 30% and accelerating feature delivery.

Andela | Kenya
Software Engineer,

July 2017 to Dec 2019

- Engineered an internal performance tracking tool to measure developer output (qualitative and quantitative metrics) using Angular and Node.js.
- Visualized complex performance data using interactive charts and graphs, making reports actionable for management.
- Improved application load speeds by implementing advanced caching strategies (Redis).

Technology stack: JavaScript, TypeScript, Express.js, Nest.js, Angular, React.js, Next.js, PostgreSQL, Docker, GCP.

Dolphins Real Estate| Kenya
Systems Administration and Software Engineer

Jan 2016 to June 2017

- Developed a robust real estate management system using React, Node/Express, and MongoDB, streamlining HR operations and property valuation.

Technology stack: JavaScript, Express.js, React, Redux, MySQL, MSSQL, Docker, Nginx

EDUCATION

The Open University of Kenya

Master of Artificial Intelligence

January 2026 to Date

- Design and build intelligent systems that are responsibly deployed to solve real-world problems.

Maseno University | Kenya

BSc in Computer Science (2nd Class Upper)

August 2011 to December 2015

- I specialized in software engineering, mastering programming in Python, SQL, JavaScript, CSS & HTML.

Edx-Harvard(CS50) | Remote

July 2014- December 2015

- I gained expertise in algorithms, software architecture, and efficient problem-solving.

TECHNICAL AND SOFT SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, Go, Java.
- **Front-End:** React.js, Next.js, Vue.js, Angular, HTML5, CSS3, MUI, Tailwind, Ant Design.
- **Back-End:** Node.js, FastAPI, Flask, Django, Java/Spring Boot, GraphQL, REST APIs
- **Testing:** Jest, React Testing Library, Cypress, TDD
- **Database:** PostgreSQL, MongoDB, MySQL, Redis, DynamoDB, Firebase, TypeORM, Prisma
- **DevOps & Cloud:** AWS, Azure, GCP, Docker, CI/CD Pipelines, Vercel, Digital Ocean.
- **Soft Skills:** Good Communication, Team player, Adaptation, Critical thinking, Problem-solving, Ownership, and Time management, among others.

NOTABLE ACHIEVEMENTS

- Improved conversion rates by 15% through performance optimization for e-commerce apps.
- Successfully localized a dashboard for a global audience, enhancing accessibility and engagement.
- Reduced deployment cycle time by 30% via robust CI/CD and pipeline automation.
- Enhanced user experience through UI/UX improvements and accessibility features
- Delivered solutions across diverse tech stacks and industries.