

**ERICK GICHUKI**  
**SOFTWARE ENGINEER**

+254 713207187 | [Email](#) | [LinkedIn](#) | [Github](#) | Nairobi, Kenya

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**SUMMARY**

I'm a Software Engineer specializing in both frontend and backend development, with a passion for learning and mastering new technologies. I excel at creating innovative and efficient solutions, tackling complex challenges, and delivering impactful results through my expertise and dedication.

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**SKILLS**

**Languages and Frameworks:** Javascript, Python, React, Next.js, Django, TailwindCSS and Flask.

**DevOps and Cloud:** Docker, Kubernetes, Terraform, Ansible, Jenkins, CloudFormation and AWS.

**Soft skills:** Proficient in leadership and project management and a proven ability to solve problems.

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**EXPERIENCE**

**Correlaction Africa Limited** | Data Analyst

Nairobi, Kenya 2023-2024

- Analyzed Unilever market data to identify issues and provided actionable solutions enhancing their market performance.
- Leveraged Advanced Excel skills for extensive data manipulation, improving data accuracy and efficiency in reporting.
- Optimized product strategies and driving market growth.

**Key Accomplishments:**

Significantly reduced the number of restricted outlets Kisumu by 6% which led to more profit.

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**EDUCATION**

**AWS re/Start** | AWS Cloud Practitioner

Remote, Kenya Sep 2024 - Nov 2024

- Gained strong knowledge in Linux, Networking and Security principles.
- Developed skills in scripting for automation and proficiency in Docker and Kubernetes for containerization and orchestration.
- Acquired hands-on experience with AWS Infrastructure and services.

**Moringa School** | Software Engineering

Nairobi, Kenya Feb 2024 - Aug 2024

- Developed expertise in software development, focusing on building scalable and maintainable applications.
- Strengthened problem-solving abilities through in-depth learning of data structures and algorithms.

**University of Embu** | Bachelor of Economics and Statistics

Embu, Kenya Aug 2019 - Apr 2023

- Gained a solid foundation in probability computations, calculus, and hypothesis testing for analytical analysis.
- Acquired hands-on experience in data analysis and interpretation to inform decision-making.

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**PROJECTS**

**SDA Kiganjo Church Choir** - [Project Link](#)

A high-standard music platform tailored for SDA choir, enabling seamless collaboration and song management. The platform supports multi-user functionality, with dedicated features for trainers and members.

*Features:*

- Robust Role-based functionality: separate dashboards for trainers and members, enhancing usability and efficiency.
- Media management: Integration with Cloudinary for efficient song file and lyric storage.
- Secure Platform: Authentication and authorization built for enhanced data security.
- Responsive design: Intuitive UI optimized for all devices, ensuring a seamless user experience.

*Technologies:* Next.js, Django, PostgreSQL, Tailwind CSS and Cloudinary.

### **Automated EC2 Instance Provisioning with Terraform - [Project Link](#)**

Developed an automated infrastructure provisioning solution using Terraform, managing multiple environments (Development, Staging, Production) on AWS.

*Features:*

- Terraform workspaces to streamline environment management and maintain a single codebase.
- Implemented remote backend storage for Terraform state files in AWS S3, enhancing security.
- Reusable Terraform modules with variables for flexible configurations and efficient resource management.

*Technologies:* Terraform, AWS and Git.

### **Bericks Solutions - [Project Link](#)**

An ecommerce website that showcases a curated collection of best selling items, complete with detailed product insights and competitive pricing.

*Features:*

- Intuitive UI that is easy to navigate and ensures responsiveness across all devices.
- Enhanced UX which ensures quick load times, smooth transitions, and minimal clicks for users to browse, filter and purchase products effortlessly.
- Robust authentication and authorization enhancing data security.

*Technologies:* React, Tailwind CSS, Postgresql and Django.

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## **INTERESTS**

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- **Riding:** Enjoy evening rides as a way to unwind after a busy day.
- **Playing piano:** Spend weekends immersed in music, perfecting piano pieces.