

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

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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:** Javascript, Python, Haskell.

**Frameworks:** Nodejs, React, Next.js, Django, Express, Obelisk, TailwindCSS, React Native.

**Tools:** Docker, Kubernetes, Terraform, Ansible, Jenkins, GitHub Actions, Prometheus, Grafana, EFK, AWS.

**Soft skills:** Leadership, Problem-solving, Collaboration, Communication.

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**EXPERIENCE**

**Data Analyst | Correlaction Africa Limited**

Nairobi, Kenya 2023-2024

- Performed in-depth analysis of Unilever market data, identifying inefficiencies and recommending actionable solutions, improving market performance by 15%
- Developed Advanced Excel-based automation tools reducing reporting time by 30% and increasing data accuracy.
- Collaborated with cross-functional teams to optimize product strategies, driving 7% market growth within 3 months.

**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

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### SDA Kiganjo Church Choir | [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 resulting in 30% faster song assignments for trainers and improved member participation.
- Media management: Integration with Cloudinary for efficient song file and lyric storage led to a 40% reduction in load times for media files.
- 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.

### CI/CD Pipeline with Jenkins, SonarQube, Docker and ArgoCD | [Link](#)

Automated a robust CI/CD pipeline for a Java application deployed on Kubernetes, leveraging Jenkins, Docker and ArgoCD for seamless integration, enhanced code quality, efficient delivery through GitOps.

*Features:*

- Deployed Jenkins on AWS EC2 for scalable CI/CD workflows and integrated GitHub webhooks for automated triggers.
- Utilized Maven for building, SonarQube for static code analysis, and Docker for containerization.
- Pushed the Docker images to DockerHub, updated Kubernetes manifests via shell scripts, and deployed using ArgoCD.

*Technologies:* Git, AWS, Jenkins, SonarQube, Docker, ArgoCD, and Kubernetes.

### Bericks Solutions | [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.