

BILL KIPKEMBOI

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PROFESSIONAL SUMMARY

I am a highly skilled and adaptable Full Stack Engineer and Service Reliability Engineer (SRE) with a strong focus on DevSecOps practices. My experience spans various programming languages, cloud computing, and system automation. I am proficient in monitoring tools and have extensive experience in designing and managing scalable infrastructure solutions. A proactive learner and problem-solver, I thrive in dynamic environments, delivering high-quality software solutions. My passion for technology drives continuous improvement and impactful contributions to my teams.

SKILLS

- **Programming:** Proficient in Python, Java, HTML, CSS, and C++.
- **Cloud Computing:** Experienced with AWS, Microsoft Azure, and cloud-based infrastructure.
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Git, Crossplane, and CI/CD pipeline automation.
- **Backend Development:** Java Spring Boot, RESTful APIs, and Node.js.
- **SRE & Monitoring:** Grafana, Prometheus, OpenTelemetry, Dynatrace, and Kibana
- **Frontend Development:** React and responsive web design.
- **Networking:** Knowledgeable in networking principles and hands-on experience as a Network Engineer.

EXPERIENCE

DEVSECOPS ENGINEER & SERVICE RELIABILITY ENGINEER INTERN, SAFARICOM PLC

OCTOBER 2024 – PRESENT

- Designed and deployed containerized microservices on OpenShift and AWS Kubernetes clusters, optimizing scalability and performance using Docker and Kubernetes.
- Automated CI/CD pipelines using Jenkins and Tekton, reducing deployment time by 35% and improving consistency in code releases.
- Streamlined pipeline tools by evaluating and integrating cost-effective open-source alternatives, reducing operational expenses without compromising quality.
- Configured Prometheus and Grafana to enable robust monitoring of services, improving incident detection and resolution.
- Introduced AIOps practices, including automated alerting mechanisms with PagerDuty, cutting incident resolution times by 25%.
- Enhanced cloud infrastructure security by implementing DevSecOps workflows and best practices.

- Improved content delivery by configuring AWS CloudFront distributions, resulting in a 20% increase in speed for end users.
- Led system optimization initiatives, upgrading PHP and Apache servers for enhanced compatibility, reliability, and security

BRAND AMBASSADOR, HUAWEI

SEPTEMBER 2023 – MARCH 2024

- Promoted Huawei's products, including Ekit routers and switches, to increase brand awareness and customer engagement.
- Collaborated with the marketing team to develop promotional strategies and refine problem-solving skills.
- Fostered strong customer relationships and provided detailed product knowledge to potential buyers.

NETWORK ENGINEER, KENYA REVENUE AUTHORITY

SEPTEMBER 2022 – DECEMBER 2024

- Gained hands-on experience in networking, including configuring and troubleshooting network devices.
- Participated in team-based projects to enhance network infrastructure and security.
- Improved efficiency through problem-solving and the implementation of best practices in networking.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, UMMA UNIVERSITY

SEPTEMBER 2020 to JUNE 2024

Graduated with comprehensive knowledge in software development, algorithms, data structures, and system design.

ST. JOSEPH'S BOYS HIGH SCHOOL, KITALE

FEBRUARY 2016 TO NOVEMBER 2019

KCSE MEAN GRADE B- Minus

Certificates

OCTOBER 2023

REACT LEARNING PROGRAM, ANDELA

Acquired in-depth knowledge of React, enhancing my web development capabilities.

MAY 2022 to Date JUNE 2023

SOFTWARE ENGINEERING CERTIFICATION, ALX AFRICA

Focused on backend development, equipping me with essential technical skills for a successful career in full-stack development.

APRIL 2022

DEVNET ASSOCIATE, CISCO NETWORKING ACADEMY

Completed hands-on labs and acquired a strong foundation in networking and development.

SEPTEMBER 2020

INTERNATIONAL COMPUTER DRIVING LICENSE, INSTITUTE OF ADVANCED TECHNOLOGY

I completed my ICDL training back in February and have my certificate. I have mastered all Microsoft application tools and ready to implement them.

PROJECTS

1. CLOUD-BASED TASK MANAGEMENT APPLICATION (IN PROGRESS)

- **Purpose:** Developed "Taskify," a cloud-based task management app.
- **Role:** Contributed to cloud infrastructure, backend development, and system integration.
- **Technologies:** Microsoft Azure, Node.js, React, MongoDB.
- **Link:** <https://github.com/AmazingMrBill/Taskify>

2. EVENTS GO MOBILE APP PROTOTYPE

- **Purpose:** Designed a mobile app prototype for event management and promotion.
- **Role:** Collaborated on UX/UI design and technical implementation.
- **Technologies:** Adobe XD, React Native, Firebase.
- **Outcomes:** Created a user-friendly interface for connecting event organizers and attendees.
- **Personal Portfolio Website**
- **Link:** <https://github.com/AmazingMrBill/EventsGo>

3. BOREHOLE STEAM PRESSURE ASSESSMENT MODEL

- **Purpose:** Developed a model to assess borehole steam pressure under desert conditions using machine learning.
- **Role:** Led the development and deployment of the model, ensuring accuracy and reliability in predictions.
- **Technologies:** Python, SimulAI, Google Colab.
- **Outcomes:** Provided valuable insights for optimizing borehole operations in challenging environments.
- **Link:** <https://github.com/AmazingMrBill/borehole-assessment>

LANGUAGES

- **English:** Proficient in both spoken and written communication.
- **Kiswahili:** Fluent in spoken and written interactions.
- **Kalenjin:** Fluent proficiency in both spoken and written forms.

REFERENCES

Available upon request.