AMOS MBEKI NYAGAR

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OBJECTIVE/PROFESSIONAL SUMMARY

Experienced Software, Cloud, Container, and DevSecOps Engineer with expertise in designing, deploying, and managing scalable and fault-tolerant systems. Proficient in Kubernetes, Docker, IaaS and CI/CD tools. Strong background in cloud platforms (AWS, Azure, GCP) and DevOps practices. Alway aiming to improve team processes, enhancing productivity, and leading digital transformation initiatives.

EDUCATION

University of East London   **Remote/Online, London, UK**
Master of Science in Computer Science   *September 2023 - Ongoing*

Specialities: Advanced Software Engineering, Big Data Analytics, AI and Cloud Computing

Jomo Kenyatta University Of Agriculture And Technology   **Juja, Nairobi, Kenya**
Bachelor of Science in Computer Science   *September 2017 - December 2021*

TECHNICAL SKILLS

Programming/Scripting Languages: Java, Python, JavaScript, Bash, YAML
Libraries, Services and Tools: Git, Docker, Kubernetes, Jenkins, Terraform, Ansible, Chef
Cloud Platforms: AWS, Azure, GCP
Operating Systems: Linux (Ubuntu, CentOS, Red Hat), Windows
Knowledge of servers, networking concepts and protocols: Nginx, Apache, IIS, DNS, TCP/IP, DHCP, HTTPS

WORK EXPERIENCE

Software Engineer & DevOps
Jubilee Insurance, Nairobi, Kenya   *March 2023 - Current*

- Designed, deployed, and maintained containerized applications using Kubernetes and Docker, improving deployment speed by 40%.
- Implemented CI/CD pipelines using Jenkins, Azure Pipeline, Github Action and AWS Code Pipeline, reducing integration issues and deployment time by 30%.
- Developed and managed cloud infrastructure on AWS and Azure, ensuring high availability and scalability.
- Monitored system performance and resolved issues using Prometheus, Grafana, and Azure Monitor, improving system reliability by 25%.
- Integrated shift left tools like SonarCloud/SonarQube Mend(WhiteSource), Orca as part of our CI pipeline to Scan Vulnerabilities and Code Smells improving code quality.
- Collaborated with development and operations teams to establish best practices for infrastructure as code (IaC) using YAML, Terraform and Ansible.

Internship - Software Engineer & DevOps
Jubilee Insurance, Nairobi, Kenya   *Septemeber 2022 - March 2023*

- Developed and Maintained a consent collection engine that saw a rise in consent collected from 30% to 78.87% in 6 months.
- Designed scalable APIs and background workers for efficient notification processes.
- Build and Integrated an e-commerce platform with new bank APIs, which has done over ksh 4,000, 000 in sales.
- Contributed to CI/CD pipeline integration and load/stress testing.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate   Link
- Microsoft Certified: Azure Developer - Associate   Link
- Microsoft Certified: Azure Administrator -Associate   Link
- AWS Certified Cloud Practitioner - Foundational   Link