PETER KIMELI

DevSecOps Engineer

Nairobi, Kenya

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PROFILE

Talented DevSecOps Engineer/Senior Software Developer with 6 years of enterprise in deploying and managing complex infrastructure in cloud environments. Proficient in a wide range of tools and technologies including Terraform, Kubernetes, AWS, Python, Go, Bash, Docker, Ansible, Java, Android, Prometheus, Thanos, Grafana, Kobiton, K6, and Robot Framework. Experience in software and mobile development and a broad range of industries including News Media, Mobile Payments, B2B, Restaurant Management, Integrated Commerce and Banking. Solid understanding of full mobile and Software Development Life Cycle (SDLC) including Waterfall and Agile methodologies. Well conversant with version control including CVS, SVN ,GitLab and Git. Dedicated to continuously developing, implementing, and adopting new technologies to maximize development efficiency and produce innovative applications.

GitOps Tools: Flux,ArgoCd

Infrastructure As Code (IAC): Terraform,Pulumi and Crossplane

Messaging frameworks: RabbitMQ,Apache Kafka ,

Monitoring tools: Prometheus,Thanos,Grafana;

Security Tools: Veracode,Sonarqube

DevOps tools: Jenkins, GitLab CI/CD , Docker,Kubernetes,Ansible,Tekton,Flux

EMPLOYMENT HISTORY

❖ **DevSecOps Engineer, Safaricom PLC** .... Aug 2021

Nairobi,Kenya

- Designed and implemented secure and scalable cloud infrastructure using Terraform and Kubernetes.
- Managed AWS resources such as EC2, S3, RDS, IAM, and CloudFormation.
- Developed automation scripts using Python, Go, and Bash to improve deployment and monitoring processes.
- Utilized Ansible for configuration management and infrastructure automation, ensuring consistency and repeatability of infrastructure deployment.
- Built and deployed containerized applications using Docker and Kubernetes.
- Implemented security best practices across the infrastructure using Ansible and Kubernetes.
- Designed and implemented CI/CD pipelines using GitLab and Jenkins CI/CD.
- Conducted security testing using Sonarqube and Veracode, and implemented fixes to vulnerabilities identified.
- Experience in using Tekton for building and deploying cloud-native applications, and integrating security controls and scans into Tekton pipelines.
- Utilized Flux and ArgoCd for GitOps-based continuous delivery, automating deployments and ensuring version control of infrastructure and application configuration.
- Proficient in implementing security controls and best practices in GCP environments, including IAM, VPC, and Cloud Security Command Center.
- Experience in using GCP services such as Google Kubernetes Engine (GKE), Google Cloud Functions, and Google Cloud Storage.
- Designed and implemented monitoring and alerting solutions using Prometheus, Thanos, and Grafana.
- Experience in implementing LDAP (Lightweight Directory Access Protocol) for user authentication and authorization.
- Familiarity with LDAP-based identity and access management (IAM) solutions such as OpenLDAP and Microsoft Active Directory (AD).
- Conducted security assessments and vulnerability scans, identifying and remediating security issues in the infrastructure and applications.
- Designed and implemented secure architecture for cloud-based applications, following industry best practices and regulatory requirements.

- Developed automated tests using Robot Framework
- Organized and prioritized work to complete assignments in a timely, efficient manner.
- Worked well independently and on a team to solve problems.
- Performed employee and team evaluations to identify opportunities for growth.

✤ Senior Software Engineer, Adanianlabs Africa .... Jun 2020 — Jul 2021

Nairobi,Kenya

- Utilized Terraform and CloudFormation for IaC, ensuring consistent and repeatable infrastructure deployment.
- Conducted security assessments and implemented security measures such as access controls, authentication, and encryption, to ensure the confidentiality, integrity, and availability of sensitive data.
- Worked on a startup called Ecobba, designing and developing the Android application and backend services using Java, Kotlin, Node.js, Express.js, and MongoDB.
- Implemented features such as user registration, payment integration, and real-time location tracking using Google Maps API and Firebase Realtime Database.
- Collaborated with designers and product owners to ensure that the application meets the user's needs and adheres to Material Design guidelines.
- Conducted unit testing, integration testing, and performance testing to ensure the application's functionality and performance.
- Worked closely with the QA team to identify and resolve issues and bugs.
- Deployed the backend services on AWS and implemented serverless architectures using AWS Lambda and API Gateway.
- Designed and developed Android applications for clients in various industries such as healthcare, finance, and e-commerce.
- Worked on multiple emulators to thoroughly develop and test deployment and interoperability on multiple platforms
- Documented architecture and implementation for internal and external consumption

✤ Senior Android Developer, Mobitechtechnologies .... Feb 2019 — May 2020

Nairobi,Kenya

- Designed and implemented intuitive user interfaces, ensuring a seamless user experience and adherence to design guidelines.
- Integrated Android applications with backend services using RESTful APIs, handling data synchronization and real-time updates.
- Implemented data persistence using SQLite, ensuring efficient and reliable storage of application data.
- Conducted unit testing and integration testing to identify and fix issues, ensuring application stability and performance.
- Worked closely with backend developers to define API requirements and troubleshoot integration issues.
- Collaborated with product owners to understand user requirements and provide technical insights for feature development and improvements.
- Utilized AWS services such as EC2, S3, and Lambda for cloud-based application development and deployment.
- Conducted unit testing and integration testing to identify and fix issues, ensuring application stability and performance.

✤ Senior Software Engineer, EldoHub Innovation Center .... Jan 2018 — Jan 2019

Eldoret,Kenya

- Led the development of a cloud-based inventory management system, utilizing AWS infrastructure and microservices architecture.
- Designed and implemented scalable and efficient back-end systems using Node.js, Express.js, and MongoDB.
- Developed and maintained front-end systems using React and Material UI, ensuring a seamless user experience.
- Utilized Docker and Kubernetes for containerization and orchestration, ensuring high availability and scalability of the system.
- Conducted code reviews and implemented automated testing to ensure code quality and maintainability.
- Led a team of developers, providing technical guidance and support throughout the software development lifecycle.
- Utilized Jira for effective project management, ensuring timely delivery and effective communication with stakeholders.
- Familiarity with security frameworks and standards, such as OWASP and Sonarqube, and experience in incorporating these into the software development lifecycle.

EDUCATION

♣ **Dedan Kimathi University of Technology** .... Sep 2015 — Dec 2019

BSc Computer Science Nyeri,Kenya

SKILLS

Docker ....

PHP ....

JavaScript ....

Java ....

MySQL ....

Ansible ....

Jenkins ....

Python ....

AWS
Containers/Docker/Compose/Swarm
(ECS) ....

Terraform ....

Gitlab ....

Kobiton ....

GCP ....

REFERENCES

♣ **Nixon Kipkorir** .... +254702739804

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♣ **SusaN Kwamboka** .... +254705137818

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♣ **Stanley Njoroge** .... +254705822035

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