Mohamed Rekiba

Senior Cloud Infrastructure Engineer

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- December 12, 1984
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Keywords

Linux · Cloud Computing · Amazon Web Services (AWS) · Google Cloud Platform (GCP) · Continuous Integration and Continuous Delivery (CI/CD) · IaC · Terraform · Kubernetes · Docker · Ansible · Automation · Autoscaling · Nginx · Apache · HAProxy · Traefik · Golang · C# · Python · Lua · Shell Scripting · Javascript · TypeScript · Node.js · Angular · PHP · Laravel · REST API · GraphQL · MySQL · PostgreSQL · MongoDB · Sigtran · SS7 · VPN · IPSec · PCAP · SOAP · SMPP · Git · GitLab · GitHub · OKTA · SAML · OIDC · MFA · SonarQube · SAST · DAST · HashiCorp Vault

Summary

A highly experienced Senior DevOps Engineer with over a decade of expertise in DevOps, cloud computing (AWS/GCP), and infrastructure automation. Technical proficiency spans containerization technologies (Kubernetes, Docker), Infrastructure as Code (Terraform, Ansible), and multiple programming languages including Python, Golang, and C#. Proven track record of leading critical system modernization initiatives, managing high-traffic infrastructure for major clients like Al Rajhi Bank, and transforming legacy systems into fully automated cloud solutions. Passionate about open source software development, with contributions to various projects including building custom Linux distributions.

Experience

Senior Cloud Infrastructure Engineer @ McKinsey & Company

VERTEX AGILITY
2023 - Present

Professional Experience

- **Integrated** HashiCorp Vault with Amazon EKS providing secure container orchestration and automated secrets management for Kubernetes environments
- **Collaborated** with cross-functional teams to implement secure integrations using short-lived tokens, reducing credential leaks and rotation efforts
- **Enhanced** Enhance legacy projects performance through critical issue resolution and system optimization, improving stability and user satisfaction
- **Established** identity management lifecycle with vault identity groups and OKTA integration, replacing legacy authentication mapping systems, improving security posture and user experience
- **Modernized** HashiCorp Vault infrastructure by migrating from legacy and implementing comprehensive disaster recovery solution, ensuring business continuity with AWS credential management and automated secrets rotation
- **Architected** mono-repository refactoring consolidating multiple repositories, streamlining infrastructure management and reducing deployment complexity by 30%
- **Developed** Create monitoring solution for critical service network accessibility, enabling proactive issue detection and high availability
- **Created** comprehensive technical documentation and training programs, reducing new team member onboarding time by 40%

Technical Skills

- **Security & Identity:** HashiCorp Vault, OKTA/OIDC, Multi-Factor Authentication (MFA), Identity Federation
- **Cloud & Containers:** Amazon Web Services (AWS), AWS Lambda, AWS Glue, Amazon EKS, Kubernetes, Docker
- **DevOps & Infrastructure:** Terraform, Ansible, GitHub Actions, CI/CD, Infrastructure as Code, Disaster Recovery
- **Programming & Automation:** Golang, Python, Shell Scripting, Test-Driven Development, API Integration
- **Platforms & Integration:** Kafka, Mono-Repository Architecture, Service Provider Integration
- **Documentation:** Technical Writing, Knowledge Transfer, Training Development

Senior Devops Engineer

CEQUENS
2020 - 2023

Professional Experience

- **Modernized** complete cloud migration from legacy infrastructure to automated Amazon Web Services (AWS) environment
- **Engineered** hybrid multi-cloud solution using AWS for CI/CD pipelines and Kubernetes for container orchestration
- **Managed** high-traffic infrastructure for Al Rajhi Bank with dynamic auto-scaling and 99.9% uptime
- **Implemented** DevOps pipelines using AWS CodePipeline, GitLab, and Infrastructure as Code (Terraform/Ansible)
- **Built** containerized applications with Docker/ECS and centralized Data Lake on AWS
- **Automated** security infrastructure and firewall management for enhanced cybersecurity
- **Deployed and configured** pfSense firewalls with IPsec VPN tunnels and network troubleshooting using tcpdump, Wireshark, traceroute, and mtr
- **Developed** custom automation tools in Python, Golang, and Shell scripting
- **Configured** load balancing solutions using Apache, Nginx, Traefik, and HaProxy

Technical Skills

- **Cloud:** Amazon Web Services (AWS), AWS EC2, AWS ECS, AWS S3, AWS Data Lake (S3, Athena, Glue, Kinesis Firehose), AWS CodePipeline (CodeCommit, CodeBuild, CodeDeploy), Kubernetes, Docker
- **DevOps:** Infrastructure as Code (IaC), Terraform, Ansible, CI/CD, GitLab, GitHub
- **Programming:** Python, Golang, C#, JavaScript, TypeScript, Shell Scripting
- **Systems:** Linux, Apache, Nginx, Auto-scaling, Load Balancing
- **Networking:** pfSense, IPsec VPN, tcpdump, Wireshark, traceroute, mtr, Network Troubleshooting
- **Telecommunications:** SS7, Sigtran, SMPP, SMS Protocols, Telecom Infrastructure
- **Monitoring:** AWS CloudWatch, Datadog, SonarQube, Network Security

Senior Software Engineer

CEQUENS
2019 - 2020

Professional Experience

- **Developed** and **maintained** custom interfaces, REST APIs, and Software Development Kits (SDKs) for enterprise applications
- **Created** Bulk Runner application (similar to Postman for bulk operations) featuring desktop client and API server with CSV-based bulk request processing, configurable, and customizable CSV export formatting
- **Implemented** scalable solutions using Amazon Web Services (AWS) and microservices architecture for distributed systems

Technical Skills

- **Development:** API Development, SDK Development, Interface Design, Microservices Architecture
- **Cloud:** Amazon Web Services (AWS), AWS Lambda, AWS API Gateway, Cloud Computing
- **Applications:** Desktop Application Development, API Server Development, CSV Processing

Senior Software Engineer

VRTEEK
2017 - 2019

Professional Experience
- **Developed** Brain Coach interactive game for Tizen OS using HTML5, CSS3, and JavaScript
- **Created** Facebook Messenger chatbots (Tic Tac Toe & Captain Lungs) using Node.js, MySQL, and CentOS
- **Built** Virtual Reality (VR) and Augmented Reality (AR) administration systems using Laravel, Node.js, Angular 2+, and MySQL
- **Implemented** Three.js 3D model viewer/editor and developed ionic cross-platform mobile applications
- **Managed** server infrastructure on Amazon Web Services (AWS) and dedicated hosting platforms

Technical Skills
- **Frontend:** HTML5, CSS3, JavaScript, TypeScript, Angular 2+, Ionic, Three.js
- **Backend:** Node.js, Laravel, PHP, MySQL, RESTful APIs
- **Cloud:** Amazon Web Services (AWS), Server Administration, Linux, CentOS
- **Specialized:** Virtual Reality (VR), Augmented Reality (AR), Game Development, 3D Graphics

Software Engineer

ESCAPEHD
2015 - 2017

- **Developed** full-stack administration platform using Laravel framework, MySQL database, and CentOS Linux environment
- **Managed** enterprise server infrastructure including dedicated servers and web hosting across Amazon Web Services (AWS) and GoDaddy platforms

Software Engineer

FREELANCE (SELF EMPLOYED)
2014 - 2015

- **Developed** web applications using PHP frameworks (CodeIgniter, Laravel) with MySQL database integration and administered Linux server environments

IT Consultant & Linux Administrator

EMEC
2013 - 2015

- **Administered** comprehensive Linux server infrastructure on CentOS, deploying and managing email, DNS, FTP, proxy servers, and private cloud solutions (ownCloud)
- **Managed** enterprise system, network, and device administration across data center environments

Open Source Projects

It is a privilege to be a part of various Open Source Projects.

openSUSE Build Service - OBS

Contributed to OBS by resolving RPM spec file processing issues, self-hosting OBS, creating custom Linux distributions and Docker images.

- PR: https://github.com/openSUSE/obs-build/pull/1094

Kenzy Linux - 2009

Developed and maintained a custom Linux distribution based on Fedora Linux with personalized package management and system configurations.

- Created my own packages repository at: https://build.opensuse.org/user/show/Kenzy
- First announcement: https://www.linuxac.org/node/67869

Alfanous Quran

Contributed to Alfanous, an advanced Quranic search engine designed for comprehensive text search and verse retrieval within the Holy Quran.

- Home Page: https://www.alfanous.org
- Packages Repository: https://build.opensuse.org/package/show/home:Kenzy:tahadz/alfanous
- PRs: https://github.com/Alfanous-team/alfanous/pulls?q=is%3Apr+author%3Amohamed-rekiba