



Mohamed Rekiba

Senior Cloud Infrastructure Engineer

in

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Keywords

Linux Cloud Computing

Amazon Web Services (AWS)

Continuous Integration and Continuous Delivery (CI/CD)

IaC Terraform Kubernetes

Docker Ansible

Automation Autoscaling

Nginx Apache HAProxy

Traefik Python TypeScript

Node.js Angular PHP

Laravel REST API

GraphQL MySQL

PostgreSQL MongoDB

Sigtran SS7 VPN

IPSec PCAP SOAP

SMPP GitGuardian Okta

MFA HashiCorp Vault



Summary

I am a highly motivated and experienced DevOps Engineer with a proven track record of success in delivering high-quality software. I am passionate about open source software development and I am always looking for new challenges. I am confident that I can make a significant contribution to your team.



Experience

Senior Cloud Infrastructure Engineer

MCKINSEY & COMPANY

2023 - 2024

- In addition to overseeing the management of both company and client secrets, I played an integral role within the secrets team, ensuring their utmost security.
- Implemented OKTA/OIDC authentication with MFA and developed vault identity groups, creating secure integrations between Vault, EKS, Terraform Cloud, and GitHub Actions.
- Collaborated across teams to establish secure AWS connectivity, implement service-provider features, and create documentation reducing onboarding time by 40%.
- Refactored multiple repositories into a mono-repo architecture, reducing deployment issues by 30% while enhancing HashiCorp Vault package with improved test coverage.

Senior Devops Engineer

CEQUENS

2020 - 2023

- Revamped the legacy infrastructure, ensuring a seamless transition to full automation on AWS.
- Transformed the AWS infrastructure into a hybrid setup, where AWS was exclusively used for hosting the source code and pipeline, while Kubernetes played a crucial role in managing other vital components.
- Establish and oversee infrastructure within the stc Cloud platform.
- Supervised the administration of infrastructure to meet the high-traffic demands of Al Rajhi Bank.
- Proficiently managed Linux distributions for smooth operations and stability.
- Implemented auto-scaling strategies to dynamically adjust resources based on traffic demands, ensuring seamless performance even during high-traffic spikes.
- Created and maintained Docker containers with ECS, offering efficient containerization similar to Kubernetes.
- Developed and managed Data Lakes using AWS tools for centralized data storage.
- Leveraged Terraform and Ansible for Infrastructure as Code principles.
- Implemented automation pipelines using AWS CodePipeline, GitHub and Gitlab.
- Designed and automated Firewalls like pfSense with Ansible for enhanced security.
- Utilized auto-scaling groups to efficiently handle varying workloads and ensure optimal resource allocation.
- Worked with Apache, Nginx, Traefik, and HaProxy for optimized web serving, proxying ... etc.
- Utilized SonarQube for code quality assessment in CI/CD pipelines.
- Experienced with telecommunication protocols like SS7 and Sigtran.
- Used AWS CloudWatch and Datadog for proactive monitoring and alerts.
- Engineered and optimized high-traffic infrastructure with auto-scaling capabilities for maximum performance.
- Led effective git branch strategies for efficient collaboration.
- Designed a Python agent for pfSense logs and monitoring dashboards.
- Demonstrated programming skills in Python, Golang, C#, Javascript, Typescript, PHP, Lua and Shell Scripting.

Senior Software Engineer

CEQUENS

2019 - 2020

- Developed and maintained interfaces, APIs, and SDKs.
- Created Bulk Runner (Desktop app and API server), a generic app/service for sending bulk requests using CSV files.
- Worked extensively with AWS services and microservices architecture.

Senior Software Engineer

VRTEEK

2017 - 2019

- Developed Brain Coach, a fun game for Tizen OS using HTML, CSS and JavaScript.
- Created Facebook Chat Bots for Messenger Challenge (Tic Tac Toe & Captain Lungs) using Node.js, MySQL and CentOS.
- Developed backends and web apps for VR & AR products administration using Laravel, Node.js, Angular 2+, MySQL and CentOS.
- Implemented Three.js 3D model viewer & editor and developed cross-platform mobile apps.
- Managed server infrastructure, including dedicated servers and web hosting in AWS and GoDaddy.

Software Engineer

ESCAPEHD

2015 - 2017

- Developed backend and web app for administration using Laravel, MySQL and CentOS.
- Managed server infrastructure, including dedicated servers and web hosting in AWS and GoDaddy.

Software Engineer

FREELANCE (SELF EMPLOYED)

2014 - 2015

- PHP Developer using Codeigniter, Laravel Frameworks, MySQL Database & Linux System Administrator.

Highlighted Projects

- **Bulk Runner - (For internal use)**

Bulk Runner is an application designed for internal use. It functions similarly to Postman but allows users to send bulk requests into two versions:

- Desktop tool - built using Angular and Electron.
- API server - built using Python.

This app is used to send bulk requests using CSV file format with custom headers, path variables, body, and more. It also has the ability to collect and map responses to a new CSV file.

- **TableBox - (pure TypeScript, SCSS)**

TableBox is a custom HTML table element with various features, including:

- Custom properties.
- Events listener.
- Text formatting with automatic text direction.
- Adding columns and rows.
- Selecting and merging both columns and rows.
- Navigating between cells using arrow keys.
- For more details, visit: <https://mohamed-rekiba.github.io/table-box/>

- **Kenzy Linux - 2009**

Built my own Linux distribution based on Fedora Linux.

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

Open Source Projects

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

- **Elkirtasse Softwares**

A set of Linux applications, for example, desktop environment, electronic Quran, Quran library, book library.

- Home Page: <https://elkirtasse.sourceforge.net>
- Packages Repository: <https://build.opensuse.org/project/show/home:abouzakaria>

- **Alfanous Quran**

Alfanous is a Quranic search engine that can find any word or aya in the Holy Quran.

- Home Page: <https://www.alfanous.org>

- **Other Arabic open source software**

- Home Page: <https://www.tahadz.com/>