



## Mohamed Rekiba

Senior Cloud  
Infrastructure Engineer

in  

📅 December 12, 1984  
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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/>