



Mohamed Rekiba

Senior DevOps Engineer

in

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Keywords

Linux Cloud Computing Git
Amazon Web Services (AWS)
Kubernetes stc Cloud IaC
Terraform SS7 VPN
IPSec PCAP Docker
Ansible Sigtran
Automation Autoscaling
Continuous Integration and Continuous Delivery (CI/CD)
Software Development
Python (Programming Language)
TypeScript Node.js
Angular PHP Laravel
MySQL PostgreSQL
MongoDB REST GraphQL
SOAP SMPP
HashiCorp Vault Okta

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. Leveraging **HashiCorp Vault** in conjunction with **Okta**, **GitHub Actions**, and our proprietary **Authorization System**, I ensured the secure handling of user and project secrets across various cloud providers and on-premise environments. Furthermore, our collaboration extended to working closely with **GitGuardian** to enhance our security measures and protect sensitive information from unauthorized access.

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 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, 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.

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/>

○ Facebook Messenger Bot Challenge - (Node.js)

Tic Tac bot was among the top 60 finalists for the Middle East and Africa in the Facebook Messenger Bot Challenge.

- For more information, visit: <https://messengerchallengefinalists.splashthat.com>
- Facebook page for Tic Tac bot: <https://facebook.com/TicTac.bot>
- Facebook page for CaptainLungs: <https://facebook.com/CaptainLungs>

○ Kenzy Linux

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>
- Project home page: <https://kenzy.sourceforge.net>

Open Source Projects

This 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>
- Packages Repository: <https://build.opensuse.org/package/show/home:Kenzy:tahadz/alfanous>

○ Other Arabic open source software

- Packages Repository: <https://build.opensuse.org/package/show/home:Kenzy:tahadz>