





Mohamed Rekiba

Senior DevOps Engineer

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Experience

● Cequens - Senior Devops Engineer

2020 - Present

- Proficiently managed various Linux distributions to ensure smooth operations and system stability.
- Successfully created and maintained Docker containers with ECS, offering efficient containerization similar to Kubernetes.
- Developed and managed Data Lakes using AWS tools such as Athena, Glue Schema, Kinesis Data Analytics Application, S3 bucket, and Lambda. These Data Lakes served as centralized repositories for storing structured and unstructured data at any scale.
- Leveraged Terraform and Ansible to implement Infrastructure as Code (IaC) principles, automating infrastructure provisioning and management, resulting in streamlined processes and reduced deployment time.
- Implemented automation infrastructure pipelines using AWS CodePipeline, GitLab pipeline, and GitHub actions, seamlessly integrating services like CodeCommit, CodeBuild, and CodeDeploy.
- Designed and automated Firewalls like pfSense using Ansible playbooks, ensuring enhanced security and efficiency.
- Proficiently worked with Apache, Nginx, and HaProxy for web serving, reverse proxying, caching, and load balancing, optimizing application performance and user experience.
- Utilized SonarQube for Code quality assessment and successfully integrated it with the CI/CD pipeline, maintaining code health and promoting best practices.
- Gained valuable experience with telecommunication protocols such as SS7 and Sigtran, contributing to the smooth functioning of communication systems.
- Effectively utilized AWS CloudWatch and Datadog for logs, monitoring, and handling alerts, enabling proactive issue identification and resolution.
- Successfully engineered high-traffic infrastructure with optimal performance, meeting demanding requirements and ensuring high availability.
- Led the implementation of effective git branch strategies, resulting in efficient collaboration and code versioning.
- Developed and managed infrastructure to serve high traffic from Al Rajhi Bank, ensuring a smooth user experience for critical clients.
- Innovatively designed a Python agent to collect pfSense firewall logs and forward them to a log shipper for creating monitoring dashboards and alerts, enhancing system monitoring capabilities.
- Demonstrated extensive programming skills in Python, Golang, C#, Javascript, Typescript, PHP, Lua, and Shell scripting, enabling seamless development and deployment of applications and scripts.

● Cequens - Senior Software Engineer

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.

● Vrteek - Senior Software Engineer

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 backend and web app for VR & AR products administration using 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.

● EscapeHD - Software Engineer

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.

● Freelance, self-employed - Software Engineer

2014 - 2015

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

● Emec - IT Consultant & Linux Administrator

2008 - 2015

- Managed system, network, and devices administration.
- Created Linux servers using CentOS (email server, data center, DNS server, FTP server, proxy server).



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://mshaaban-tech.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

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>
- 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>