



# Md Abdul Rajak

DevOps Engineer

## INFO

Md Abdul Rajak

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<https://github.com/abdul-rajak>

## Education

Bachelors of Computer Science

## Scripting and Automation

Terraform, Golang CLI, GoMux API

## Clouds

AWS, Azure

## Introduction

DevOps engineer with 1+ Years of hands-on experience in implementation, automation of cloud operation system over large infrastructure. Proficient with cloud SRE ecosystem and can do scripting and automation with Bash, Terraform, Golang CLI, GoMux Gorilla API.

## Summary

- Good experience with Linux ecosystem especially debian and ubuntu.
- Experience with AWS / Azure / GCP cloud services - with a expertise on AWS services.
- Good experience with operation monitoring setup based on Grafana, CloudWatch API, Prometheus.
- Experience with container system like Docker ecosystem (build/compose), Kubernetes, Microservices, RESTAPI.
- Experience with cloud automation with Terraform.
- Proficiency in scripting Languages such as Bash, Powershell, Golang CLI , GoMux based REST API.
- Have ability to work within a team of strong analytical, problem solving and communication skill.
- Have got some experience in Database administration (primarily PostgreSQL) and SQL.

## Tools & Utilities

- Grafana, Prometheus, Elastic Stack, Jira Ticketing System, Docker, Kubernetes, PostgreSQL, SQL, Node.js.

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## Recent Engagements

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### Project - Synectiks Appkube Platform

**Description** - A SRE platform focused on microservices cost and SLA management across clouds.

**Environment** - (AWS, Azure, GCP, Kubernetes, Docker, Terraform, Tekton, Jenkin-X, Lambda, Cloud Formation, Shell)

#### Activities Performed

- Worked on writing Terraform modules to provision highly secure configurable AWS services.
  - Actively managed, improve, and monitor cloud infrastructure on AWS, EC2, ECS, S3, ES, RDS, LAMBDA, ROUTE53, IAM including scaling and automation.
  - Worked on collecting metrics / log / traces data via CloudWatch API and Prometheus agent and creating operation dashboards in Grafana.
  - Built Golang Based CLI Automation scripts to implement Kubernetes and AWS extension functionalities.
  - Worked on GoMux GORILLA framework to write REST API based on Golang framework.
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### Project - Cloud Migration & Modernization

**Customer** - Brighton Cromwell

**Specification** - Implement complete operation monitoring of Brighton Cromwell Application and Services.

**Environment** - AWS GovCloud , On-prem DC

#### Activities Performed

- Worked on log collection using CloudWatch log agent build log based operational dashboards in Grafana.
- Worked on setting up alert management framework to collect alert and its integration with service desk.
- Worked on setting up operation dashboards for application and services running in AWS GovCloud.
- Performed day to day operations SLA monitoring, troubleshooting and escalation.