Rabbani Mohammed



DevOps Engineer

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**Chennai**

# EMPLOYMET HISTORY PROFILE SUMMARY

Currently Working **as Associate DevOps Engineer** at **TATA CONSULTANCY SERVICES Ltd.** since **Feb- 2022** to till date.

Worked **as Intern** at **Digital Nirvana IT Solutions.** In the period of **oct- 2021** to **Jan- 2022**

Cloud Infrastructure AWS support and DevOps Engineer with almost 2+ years of experience in managing and monitoring Linux Cloud infrastructures and providing software solutions. Ability to plan, configure and optimize the IT infrastructure to consistently achieve high availability and performance.



# PROFESSIONAL SUMMARY



**TECHNICAL SKILLS**

Cloud: AWS

Operating Systems: Windows, Linux.

Scripting Tool: Shell Scripting.

Build Tool:

Continuous Integration/Delivery: Jenkins.

Version Control Tool: Git/GitHub.

Configuration Management Tool: Ansible.

* Headed **Git/GitHub** configuration, including resolving of source code issues comprising source **code management, branching, and merging** process.
* Experience in working on **AWS** infrastructure various resources such as **EC2, VPC, S3, IAM, EBS, Security Group, Auto scaling and ELB, Route53, CloudFront, CloudTrail, VPC Flowlog.**
* Ensured **Continuous Integration (Cl) and Continuous Delivery (CD)** process implementation using **Jenkins** Pipelines along with **Groovy** scripts to automate routine jobs.
* Set up and managed Docker containers, for deployment into **Kubernetes Pods.**
* Docker management with **Kubernetes.**
* Creating Pods, Services and Deployment using **Kubernetes Cluster.**
* Building Docker Images using Docker files and Orchestrated containers

Maven. Containerization Tool: Kubernetes, Docker.

IaC Tool: Terraform



# EDUCATION

**BTech**  | Narasaraopet Engineering College(Autonomous) | 2020 | **CGPA:** 7.88

## CERTIFICATIONS & ACHIEVEMENTS

* AWS CERTIFIED CLOUD PRACTITIONER
* GOOGLE CLOUD PRACTITIONER
* Spot team award

On cluster using **Docker.**

* Organized scripting of automation solution using **Groovy Scripts.**
* Deployed, Automated and orchestrated using **Ansible.**
* Writing Roles and **Playbooks** with the help of different **Ansible Modules.**
* Creating **Jenkins Job** for Deployment.
* Automated **Continuous Build** and deployed **Jenkins Continuous Integration Tool.**
* Also Implemented in Freestyle, Pipeline, Multi-Branch **Jenkins Pipeline**

Project.

* Setup **Docker Environment,** Creating Custom Images.
* Implemented and managed infrastructure as code through **Terraform** automation tool.
* Experience on **Windows,** Linux commands and **Linux OS.**
* Managing **Git Repository.**
* Creating and Maintaining **AWS Infra.**
* Using Cloud Front for Low Latency URLs.
* Creating **IAM Users, Groups, Roles and Policies.**
* **VPC-**Create own virtual Network, **Subnet, Route Tables, Internet Gateways**

And **VPC Peering.**

# PROJECT-1:

|  |  |
| --- | --- |
| **Project Name** | Stock Price Analyzer |
| **Domain** | Finance |

## Project Description:

This project mainly deals with the market analysis of previous stock price, based on that a ML model will be generated and will analyze the approximate stock price exchange value for the upcoming days. This will provide the information based on third party applications such as groww, stock predictor etc. This will gives a major analysis role for the buyer and seller in which they will take the decisions based on analysis.

## Roles and Responsibilities:

* Hands-on experience in deploying instances on AWS environments, familiar with EC2.
* Create and manage S3 buckets, implement policies, and utilize S3 and Glacier for storage and backup. Configure  CloudWatch alerts for instances and optimize Auto-scaling launch configurations to enhance performance.
* Demonstrated ability in creating and managing user accounts for Dev/QA teams through AWS IAM.
* Performing daily maintenance including the start and stop the servers and checking the logs and RDS delete and restore.
* Performing daily maintenance including monitoring backups, managing disk space, and maintaining database objects. Have been performing DB export and import, Database schema.
* Monitored services, minimizing downtime, and improving system reliability through proactive troubleshooting.
* Experience in using Tomcat and Apache web servers for deployments.
* Used Git Hub repository to run Jenkins job for Continuous Integration/Continous Deployment.
* Performing the regular tasks that include cloning, pulling the repositories, branching and merging.
* Provisioning of AWS instances using Terraform and creating modules to create infrastructure of aws.
* Installed and configured Jfrog repository manager for sharing artifacts between internal teams.
* Implemented AWS Code Deploy for streamlined software releases, collaborating with developers to customize deployment strategies and ensure reliable delivery.
* Collaborated with developers to design and deploy AWS Lambda serverless functions, optimizing performance and error handling, and contributed to simplifying complex workflows using AWS Step Functions.
* Utilize Auto-scaling and Elastic Load Balancer features on EC2 instances to manage unexpected traffic spikes
* Managed and maintained application servers, overseeing patching activities and conducting thorough validation to ensure system integrity and security.
* Managed multi-region deployments, ensuring high availability and redundancy for critical applications.
* Experienced in establishing and overseeing SNS topics to support real-time communication and notifications within AWS environments.
* Implemented AWS CloudTrail to audit and monitor API calls, ensuring transparency into user activities and system modifications.
* Configured and managed AWS networking components, including Route Tables, NAT Gateways, VPN connections, Security Groups, and Network Access Control Lists (NACLs), ensuring secure and efficient communication within cloud environments.
* Collaborate with application developers to optimize SQL queries for efficient performance.
* Implement High Availability and Disaster Recovery (HADR) solutions to minimize downtime and data loss.
* Manage and optimize multiple Db2 LUW databases, ensuring their reliability, availability, and performance.