

MD REHAN

+918354039535 rehanahmad65469@gmail.com linkedin.com/in/username github.com/username

Education

Dr A.P.J Abdul Kalam University,Lucknow

Bachelor of Technology in Computer Science

Sep. 2020 – May 2024

Ghaziabad, U.P

Experience

Makerbal

December 2023

DevOps Engineering Intern

- Dockerized Ruby on Rails Application: Created a Dockerfile to deploy a Ruby on Rails application with PostgreSQL running in separate containers, either utilizing existing examples or building a tailored Rails app to fulfill the requirements.
- Kubernetes Deployment: Crafted a Kubernetes YAML file for deploying the application onto a local cluster using Kubernetes StatefulSet for PostgreSQL. Integrated an Ingress Controller following Ingress-Nginx documentation for efficient traffic routing..
- GitOps Implementation with ArgoCD: Established ArgoCD to manage deployments by creating a private GitHub repository housing essential YAML files, including application.yaml, config maps, and Kubernetes manifests, ensuring version-controlled deployments and adherence to GitOps principles.

Filesure india private limited

August 2023

AWS cloud Intern

- Elastic Beanstalk Deployment: Orchestrated the deployment of a Node.js (Express.js) application on Elastic Beanstalk, showcasing proficiency in deploying REST API endpoints. Successfully configured a POST request that returns a "Hello World" message when the API is accessed..
- Nginx Reverse Proxy Configuration: Integrated Nginx as a reverse proxy within the server infrastructure, optimizing and enhancing the handling of incoming requests and responses.

Projects

AWS Cost Optimization | *Python, AWS*

January 2022-March 2022

- Led the development of a Cost Optimization Bot using AWS Lambda, API Gateway, and Cost Explorer, providing comprehensive cost analysis and personalized recommendations for optimizing AWS expenditures. Implemented algorithms to identify savings opportunities, resulting in substantial cost reductions for AWS infrastructure

ChatBot Application with Docker | *Rasa Framework, Docker*

August 2023-November 2023

- Rasa Framework Implementation: Engineered the ChatBot application leveraging the Rasa Framework, integrating NLP capabilities and ensuring smooth conversation flows..
- Containerization with Docker: Utilized Docker to containerize the ChatBot application, enabling streamlined deployment, scalability, and portability across different environments.
- Docker Hub Integration: Deployed the containerized ChatBot application on Docker Hub, facilitating easy access, distribution, and deployment of the application's Docker image

Three-Tier Cloud Architecture with Terraform on AWS | *AWS, Terraform, Python* **January 2023-February 2023**

- Terraform Infrastructure Deployment: Utilized Terraform to orchestrate the provisioning of a three-tier architecture on AWS, encompassing a presentation layer, application layer, and database layer.
- Security Measures Implementation: Implemented stringent security protocols and best practices using AWS security groups, IAM roles, and encryption mechanisms to fortify the entire architecture against potential threats and vulnerabilities.

Technical Skills

Languages: Python, C++, Go, JavaScript, SQL, Yaml

Developer Tools: VS Code, Docker, Kubernetes, Git, Ansible, Terraform, CI/CD

Platforms: Google Cloud Platform, AWS

Scripting: Bash, Python

Others: Operating System, Networking, Linux, MongoDB, Security(basic),Virtualization (VMware),DSA

Certification

- • Learning Linux Basics Course Labs
- Docker Training Course for the Absolute Beginner
- Kubernetes for the Absolute Beginners - Hands-on Tutorial
- Terraform Basics Training Course
- GCP Cloud Digital Leader Certification
- Exercising Leadership: Foundational Principles.