MANISH RAWAT

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Accomplished AWS Developer seeking to leverage extensive skills in AWS, Terraform and Jenkins. With a solid foundation in public accounting, I aim to utilize my analytical and organized approach to contribute to business growth in a collaborative team setting. My experience extends to containerization and orchestration with Docker and Kubernetes, enabling me to build and deploy robust, scalable, and resilient cloud-native applications.

SKILLS

Public Cloud: Amazon Web Service(AWS), Microsoft Azure, Google Cloud Platform(GCP), Lambda, Step Functions, Amazon SQS, AWS IAM, CloudWatch,Amazon S3, Amazon EC2, EKS, ECS.

DevOps Tools: Terraform, Jenkins, Kubernetes, Docker, JIRA, Postman, Bitbucket, Confluence, Git.

Programming & Scripting: Python, Java, JavaScript , SQL and JSON.

Operating Systems: Windows, UNIX.

Miscellaneous: Agile Methodologies, Continuous Integration and Continuous Delivery(CI/CD).

EXPERIENCE

Devops Engineer | INFOSYS

Aug-2022 to present

- Managed code repositories and issue tracking with Github and JIRA.
- I developed the code from scratch to migrate data from Snowflake to AWS using Lambda functionalities.
- Building docker Image for python, dotnet and springboot application.
- Used the S3 bucket as a data source. As soon as the CSV file comes into the bucket, the lambda is triggered, which transforms the data into the required format.
- Migrated the data from BOOMI Integration to Amazon Web Services (AWS) using Lambda, IAM, S3 buckets, and other AWS services.
- Utilized AWS Lambda to connect API Gateway and EventBridge, managing event-driven systems and confirming the results in the SQS queue.
- I used terraform to write infrastructure as code and created Terraform scripts for Lambda, S3 buckets, and other AWS services.
- I worked on CI/CD tools such as Jenkins and the Git version control system for continuous, smooth code release process.
- I am proficient in using AWS CloudWatch for tracking and managing application performance and resource use.
- Skilled in utilizing Postman for API testing and Jira for effective project management and issue tracking.
- Developed and delivered container-based software applications using Docker.
- Collaborated with cross-functional teams, to design, develop and implement software applications.

EDUCATION

B.Tech (ECE) 2018-2022
Inderprastha Engineering College

Higher Secondary School
L.B.S Senior Secondary School 2017-2018

PROJECTS

Aurora Data Migration

This project is a robust data processing and transformation of Data, leveraging the power of AWS Lambda for serverless computing and S3 for storage. It ensures data is processed, transformed, and uploaded in a controlled and efficient manner.
Technologies Used:- Python, Amazon S3 bucket, Lambda, CloudWatch, Terraform, SQS, Jenkins.

IMAP(Infosys Microservice Accelaration Platform)

This project involves deploying microservice for python, springboot and dotnet languages and making maven templates for them. This application allows users to make S3 bucket, Secrets Manager, ElasticCache, RDS without prior knowledge of the AWS. Using this application user can easily make EKS cluster.
Technologies Used: Python, Jenkins, Gitea, AWS, Docker, Kubernetes, Terraform, EKS.4

BOOMI Data Migration

This project involves migrating data from the Boomi interface to AWS. It uses AWS services like Lambda for serverless computing, S3 for storage, and SQS for message queuing. The data is transformed, processed, and uploaded in a controlled manner, ensuring efficient data migration from Boomi to AWS.
Technologies Used:- Python, Boomi, S3 bucket, Lambda, CloudWatch, Terraform, SQS, Jenkins.

Product Integration

In this project, the large XLSX file is divided into smaller chunks and sent as a separate event to AWS EventBridge. Then the XLSX file is converted into JSON format and uploaded to the S3 bucket.
Technologies Used:- Python, S3 bucket, Amazon Lambda, Terraform, AWS EventBridge, Jenkins.

Microsoft Azure

Designed and deployed scalable infrastructure using Azure Bicep, achieving a deployment success rate of 98%. Provided powershell scripting expertise for automation task saving man hours. Supported the creation of technology roadmap, influencing future platform deveplopment.

CERTIFICATIONS

AWS Certified Solutions Architect - Professional

AWS Certified Cloud Practitioner

Data Science Methodology

Data Science in Python by University of Michigan

Java Programming

LANGUAGES

English

Hindi