Ajithkumar P

Skills & Tools

- **Languages:** Python
- **Developer Tools:** Git, AWS, Azure
- **Cloud Networking:** VPC, NAT, IGW, Subnet, Routetable, Vnet, Vnet Peering, Vnet Gateway
- **Cloud Compute:** EC2, VMs
- **Cloud Storage:** S3, Blob, Fileshares, Tables, Queue
- **Cloud Database:** RDS, Dynamo DB
- **Cloud Management and Application Services:** Cloud Formation, SNS, SES, SQS
- **Cloud Access Management and Monitoring Services:** IAM, Cloud Watch, Azure Monitoring, Azure Active Directory
- **DNS:** Route 53, Azure DNS
- **Cloud Automation and Configuration Management Tool:** AWS Beanstalk, AWS Lambda, AWS OPSWORK
- **Azure App and Container Services:** App Service, Azure Container Registry, Azure Kubernetes Service
- **Technologies:** GitHub, Docker, Kubernetes, Ansible, Jenkins, ELK, Terraform, Maven
- **Domains:** Cloud Computing, DevOps, AWS, Microsoft Azure

Education

Bachelor of Engineering
Mechanical Engineering
Sri Sairam Engineering College
2018 | 73%

Certifications

Advanced Certification in Cloud Computing & DevOps - E&ICT IIT Roorkee and Intellipaat

Contact Details

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- LinkedIn | Ajithkumar P

Objective

A dedicated professional with expertise in AWS and Azure, seeking an opportunity to embark on a successful corporate career within a reputable organization.

Projects

Azure Architecture Project
The goal of the capstone project was to build an architecture to host a website over Microsoft Azure. The Project required us to configure the Virtual Networks, Servers, Load Balancers, Application Gateway, and Traffic Managers. And, we deployed our website over multiple Azure regions, which would be accessible to users across the globe.

Deploying a multi-tier website using AWS EC2
Deploying a PHP website that receives data from the user and stores that data in RDSMy SQL Database. Three-tier architecture is scalable due to the Auto Scaling of servers and is highly available. Data Stored in RDS is highly secured, encrypted, and manages failover. It can only be accessed by an authorized database admin.

Architecture for New Employee Profile Database
Deploying a Python-based web application in Employee database and media storage application using the most prominently used AWS Services in the industry such as EC2, ELB, VPC, S3, IAM, RDS, DynamoDB, Route53, etc. Application Server is hosted privately and can only be accessed by the Company's Employees. It can be accessed using domain names using Route53 and Freenom.

Application Deployment Using CI/CD Tools
Implemented a git workflow architecture and used Jenkins jobs to deploy a container on specific ports for different branches, including the develop branch for testing the Dockerfile, the master branch for testing the final version of the Docker file, and the production server for the final release of the product. The process was automated using Jenkins, Git, and Docker.

Deployment of Fabrication using Orchestration, containerization, and IAC Tools
Automated containerized application deployment using Git, Docker, Jenkins, Kubernetes, and Terraform. Built the cloud infrastructure in AWS, configured the server with Configuration Management tools, and implemented CI/CD pipelines with Jenkins. Used Kubernetes to create clusters and services, containerizing applications with Dockerfile, and adhering to Gitwork flow architecture.

Experience

Production Operator | NCR | 2020 - 2023(FEB)

Quality Assurant | Rane Madras Private Limited | 2019 - 2020