




RAGHAVENDIRAN N

Associate Engineer

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EXECUTIVE SUMMARY

Engineer with expertise in designing scalable, cost-effective AWS solutions. Proficient in Terraform for automated infrastructure deployment, Docker for containerized applications, and scripting with Python and Bash. Strong experience with AWS services and a solid background in Unix/Linux environments.

CERTIFICATION

- AWS Certified SysOps Administrator - Associate
- HashiCorp Certified: Terraform Associate (003)

AREAS OF EXPERTISE

- AWS IAM
- AWS S3
- AWS Elastic Block Store
- AWS DynamoDB
- AWS CloudWatch
- AWS CloudFront
- Bash
- Python
- Hashicorp Terraform
- AWS EFS
- Github
- AWS EC2
- AWS Lambda
- Docker
- Linux

SKILLS OVERVIEW

- Effective team player and ability to work in fast-paced environment
- Good experience in working with Unix/Linux based operating systems
- Building reliable and cost-effective cloud based applications in AWS
- Knowledge in automated deployment of infrastructure using Terraform
- Scripting knowledge using Python and Shell scripting
- Deploying scalable container-based applications using Docker

RELEVANT EXPERIENCE

Apr 2024 to Sep 2024
Associate Engineer
Infrastructure Design and Automation

Terraform and AWS

- Provisioned VPC and Subnets: Created 2 public and 2 private subnets in Terraform.
- Configured Auto Scaling Group: Deployed EC2 instances with Apache2 in public subnets.
- Deployed ALB for Load Balancing: Distributed traffic to EC2 instances via ALB.
- Provisioned RDS MySQL: Secured database in private subnets, enabled EC2 connectivity.
- Implemented Auto Scaling Rules: Scaled instances based on CPU thresholds (75% and 25%).
- Managed Infrastructure as Code: Used Terraform to automate VPC, EC2, ALB, and RDS.

Apr 2024 to Sep 2024
Associate Engineer
Infrastructure Design and Automation

AWS Infrastructure Development

- S3 bucket configured for highly available static website hosting.
 - Implemented Lambda@Edge for security headers and enhanced content modifications, improving both security and dynamic content delivery.
 - Configured IAM roles for resource access control.
 - Established tagging standards for resource management.
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Apr 2024 to Sep 2024
Associate Engineer
Generic

APIValidator

- Developed an API testing app to validate user-written code against test cases.
 - Utilized GitHub Actions as an automated workflow to initiate the build and execution.
 - Employed Newman, a tool for API testing, to execute and validate the API test cases.
 - Integrated Docker to facilitate the building and packaging of the API testing application.
 - Configured the application to send result notifications via email to the participants.
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