

Gnana Raj G

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Objective

IT professional with extensive experience in cloud computing and infrastructure automation, specializing in AWS DevOps. Passionate about leveraging expertise in cloud platforms and automation tools to deliver innovative solutions and enhance operational efficiency at a forward-thinking organization.

Experience

Associate consultant,

April 2023 - Current

Capgemini Technology Services Ltd.

Roles & responsibilities:

Amazon web service (AWS)

- Created AWS CloudFormation templates to provision infrastructure, reducing deployment time by 30%.
- Managed EC2 Linux servers and external EBS volumes, mounting the EBS volumes by creating partitions, and associating with Elastic IPs
- Implemented AWS config, Cloud watch monitoring with lambda functions for cost Optimization and billing managements
- Developed Private and secure VPCs, subnets, route tables, enhancing network security.
- Restricted access by creating security groups, NACL, changing Inbound/Outbound rules.
- Created Lambda functions that can be triggered by S3 events, for various security level alerts, optimizing data, releasing unused EIPs/clearing ghost Resources and sending various notifications using SES.
- Monitored cloud-based systems and applications for potential issues and taking proactive measures to prevent downtime.

Shell Scripting:

- Created shell script for logs & password rotation, automate package installations & deployments, Parsing CSV Files, etc.
- Created a shell script for Cron job, which will make a connection to RDS-MYSQL, capture the replica-lag value and if this replica-lag value breached the specified threshold then, it

will send the notification alert using AWS SES to various stake holders.

Docker:

- Docker image creation using Docker file.
- Created a docker-compose file to build a docker image, volumes and associating with image, multilevel docker images.

Terraform:

- Managed infrastructure deployments in various environments (development, staging, production) using Terraform.
- Collaborated with teams to refactor existing Terraform code into reusable modules, to standardize infrastructure components such as VPCs, security groups and EC2 instances
- Managed Terraform state files securely using remote backends (e.g., S3, Azure Blob Storage) with state locking and versioning.
- Imported existing infrastructure resources into Terraform state for seamless integration of multiple environments into Infrastructure as Code (IaC) practices.

Senior Analyst,

May 2021 - April 2023

Capgemini Technology Services Ltd

Project: “KPMG - Generative AI Enterprise”

- Working on Agile methodology – analyzing user stories, estimating & developing Tests, daily scrum meetings and deployment in higher environments.
- Key contributor to project success, specializing in AI architecture and testing.
- Expertise in prompt engineering on different RAG process to retrieve data efficiently from GPTs.
- Tested APIM on top of GPT-3.5 and GPT-4.0 with postman.

Project: “KPMG Clara Workflow “

Main Application: Clara

Supported diverse testing efforts (smoke, functional, regression, integration) to ensure application stability and reliability.

Downstream Applications:

RFGS: Solely managed all QA activities, ensuring high-quality deliverables with comprehensive testing.

Gatekeeping: Independently handled all testing tasks, maintaining high standards through thorough testing.

Attachment: Frequently supported testing processes, enhancing application robustness.

API Testing:

Used Postman for API testing, validating data accuracy and system interactions.

Projects

Title: Creating CI/CD Pipeline to build and test a website.

Domain: DevOps, Git, Docker, Jenkins, Terraform

Roles and Responsibilities: Setting up Terraform and Jenkins in Master-Slave Architecture. Integrating Git and Jenkins for automated pipelines. Utilizing Terraform for Configuration Management. Containerizing a website.

Technical skills

Programming Language: C, C++, C#, Python
Operating System: Windows, AWS Linux.
Scripting Language: Bash/shell, python, groovy, YAML & JSON.
CI/CD Tools: AWS CodeBuild, AWS CodeDeploy, AWS CodePipeline, and Jenkins.
IAC tools: Terraform & AWS cloud formation.
Containerization & Orchestration: Docker, Kubernetes.
Tool skills: Agile, JIRA, Confluence, ServiceNow, Azure DevOps.
Cloud platform: AWS, Azure.
Version control: Git.

Achievements

- Certified Software Professional in Microfocus UFT.
- Certified AZ and AWS cloud Practitioner.
- Recognized with Rockstar performer award 3 times in Capgemini.
- Acquired Extensive knowledge in Generative AI in multiple learning platforms.
- Robust foundation in Automation using python.

Education

B.E (Electronics & Communications) from
C. ABDUL HAKEEM
College of Engineering & Technology

Skills

- Analytical Perceptiveness
- Agile learner
- Leadership and Team Management
- Communication and Collaboration
- Technical Expertise and Domain Knowledge

Languages

- English
- Tamil
- Kannada

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Bangalore

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