

# Gnana Raj G

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## Objective

Adaptable IT professional with a strong QA foundation, transitioning into DevOps with proven expertise in cloud computing and infrastructure automation. Leveraging AWS cloud and DevOps skills to drive automation, scalability, and efficiency, committed to streamlining processes and enhancing operational innovation with dual expertise.

## Experience

April 2023- Current

### **Associate consultant**, 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 Validating different RAG process to retrieve data efficiently from GPTs.
- Tested APIM on top of GPT-3.5 and GPT-4.0 with postman.

May 2021 – April 2023

### **Senior Analyst**, Capgemini Technology Services Ltd

**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, AWS.

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

**Roles & responsibilities:**

**Amazon web service (AWS)**

- 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.

#### Shell Scripting:

- Created shell script and Cron Jobs for logs/password rotation, automate package installations & deployments, Parsing CSV Files, etc.

#### 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:

- Refactored 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.

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#### TECHNICAL SKILLS

<b>Programming Language:</b>	C, C++, C#, Python
<b>Operating System:</b>	Windows, AWS, Red hat Linux.
<b>Scripting Language:</b>	Bash/shell, python, groovy, YAML & JSON.
<b>CI/CD Tools:</b>	Jenkins.
<b>IAC tools:</b>	AWS cloud formation & terraform.
<b>Containerization &amp; Orchestration:</b>	Docker, Kubernetes.
<b>Tool skills:</b>	Agile, JIRA, Confluence, ServiceNow, Azure DevOps,
<b>Cloud platform:</b>	AWS, Azure
<b>Version control:</b>	GIT, AWS code commit.

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#### 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 and prompt engineering in multiple learning platforms.  
 Robust foundation in Automation using python.

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## Education

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

H.S.C. from Tamil Nadu State Board, Vellore.

S.S.C. from Tamil Nadu State Board, Vellore.

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## Skills

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

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## Contact

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8838809134.

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

**G. Gnana Raj**

**Place:** Bangalore