

# Dineshraj Dhanapathy

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GitHub :

<https://github.com/dineshrajdhanapathyDD>

Medium blog : <https://medium.com/@dineshrajdhanapathy>

DEV Community : [dineshrajdhanapathyDD - DEV Community](#)

To work in a challenging environment where I can utilize my skills and knowledge to grow with my organization. Eager to apply cloud concepts, deployment strategies, and troubleshooting skills to contribute to scalable and secure cloud solutions. Cloud and DevOps enthusiast with a strong foundation in manual and automation testing. Currently an AWS Community Builder, engaging in knowledge sharing, content creation, and hands-on cloud projects. Skilled in AWS core services, CI/CD automation, Docker, and Terraform.

## Experience

**ZUMMIT INFOLABS PRIVATE LIMITED, Bangalore.**  
**QA Intern.**

**Oct 2024 - April 2025**

- Manual testing experience in unit testing, smoke & sanity testing, retesting, and regression testing.
- Applied expertise in SDLC, STLC, and bug life cycle within AGILE to streamline issue tracking and resolution.
- Responsible for writing and executing detailed test cases, identifying and tracking defects, collaborating with development teams to resolve issues, conducting functional, usability, and regression testing, and reviewing requirements to ensure comprehensive test coverage.

**TL TECHNOLOGIES PRIVATE LIMITED, Trivandrum.**  
**MANUAL & AUTOMATION SOFTWARE ENGINEER.**

**SEP 2022-JAN 2023**

- Java selenium testing projects like Medical web applications system.
- Effective knowledge in SDLC, STLC, and Bug life cycle fast-paced AGILE development environments.
- Logging and generating HTML reports using selenium TestNG, and Maven framework. Integrated Framework to Jenkins and set up various job parameters.
- Good Understanding of Version Control Systems using Git and Git Hub. Work experience in process management tools like Jira and Proof Hub.
- verifying that the responses are correct according to the API documentation. Developed and tested REST APIs for functional correctness and stability using tools like Postman and Python scripts.

## Existing Project Experience

- Medical web application - worked as automated regression tests using tools like Selenium and integrated test reports into CI/CD workflows
- Tested end-to-end HR features including employee onboarding, payroll processing, and leave management.
- Open source project contribution of BookFlow-APP – Find the Bug and create the issue by using Ad hoc testing.(Oct-2023).

## Project Experience

### Three-Tier Web Application Architecture (AWS)

Built a scalable, serverless three-tier web application using Amazon S3, CloudFront, API Gateway, AWS Lambda, and DynamoDB. The front-end was hosted on S3 and accelerated with Cloud Front, while API Gateway connected to Lambda functions for dynamic request handling. DynamoDB was used as the back-end No-SQL database.

- Integrated **RESTful APIs** via API Gateway and Lambda for secure and efficient data transactions.
- Implemented **CloudWatch metrics and logs** for API monitoring, error tracking, and performance tuning.
- Handled **exception debugging** and **error code tracing** to troubleshoot Lambda and API failures.
- Wrote **DynamoDB queries** to retrieve, insert, and update data in the backend layer.
- Focused on **secure access patterns, scalability**, and **cost-efficiency** through serverless architecture.
- Investigated system outages, monitored logs via CloudWatch, and troubleshoot errors using AWS Health Dashboard and API Gateway logs.

### Practice Labs

- Practice on kodekloud engineer fictional projects on Data systems Nautilus Naval Division xFusionCorp Industries. ([DevOps Projects](#)) .
- AWS projects portfolio - [https://learn.nextwork.org/positive\\_purple\\_innocent\\_lemon/portfolio](https://learn.nextwork.org/positive_purple_innocent_lemon/portfolio)
- Participated in the CNCF-Zero to Merge Program an open-source contribution program in the Linux Foundation (Sep-2023).

### Achievements

- Currently part of the **AWS Community Builders program**, actively contributing to the cloud community through hands-on projects, knowledge sharing, and continuous learning in AWS services, Category - **Dev tools**, and operational best practices.
- Active community member in the **Nextwork** platform, collaborating on real-world cloud and DevOps projects, contributing to knowledge sharing, and continuously learning through hands-on experience and mentorship.

### Certifications & Cloud Learning

- **AWS Cloud Practitioner Essentials** – Completed via AWS Skill Builder.
- **Amazon Q Challenge – Game Development (2025)**
  - Selected for Amazon's Q Challenge; built AI-assisted games using Q Terminal and prompt-driven development workflows.
- **Preparing for AWS Certified Cloud Practitioner exam – Scheduled for July 2025.**
- Active learner through AWS Educate – **Earning Credly badges across cloud fundamentals.**
  - Building foundational knowledge in **AWS services, cloud architecture, billing, security, and compliance** to support real-world cloud and Devops projects.

## Expertise

Language – java, python.

VCS – Git, GitHub.

Testing tool – Selenium, postman(API).

Build Tools – Maven, TestNG.

Tracking tool – Jira, proofhub

CI/CD – Jenkins.

DevOps Tools - Docker, kubernetes, Terraform.

Monitoring - Prometheus, grafana, Splunk.

### Cloud Platform

- ✓ **Cloud Compute:** EC2, Lambda, ECS, EKS
- ✓ **Security, Storage, & Databases:** S3, DynamoDB, Secrets Manager
- ✓ **Networking & Access:** API Gateway, IAM
- ✓ **Monitoring & Logs:** CloudWatch
- ✓ **DevOps & Automation:** CodeBuild, CodeDeploy, CodePipeline, CloudFormation
- ✓ **AI & GenAI:** Amazon Q, Amazon Bedrock

## Education

- **M.E. – Electrical Drives and Embedded Controls**  
*RVS College of Engineering and Technology, Coimbatore — 2016*
- **B.E. – Electrical and Electronics Engineering**  
*RVS College of Engineering and Technology, Coimbatore — 2013*

## Declaration

I hereby declare that all the details furnished are true to best of my knowledge.

**Date:**

**Place:**

**Dineshraj Dhanapathy**