MOHAMED DALKHA M

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EDUCATION

Bachelor of Engineering in Computer Science — June 2023
Mailam Engineering College, Mailam, villupuram — *CGPA:* 8.11

Higher Secondary Certificate — March 2019
Monfort Matric HSS, Tindivanam, villupuram — *Percentage:* 71.2%

CERTIFICATIONS

- AWS Academy Cloud Foundations

EXPERIENCE

Quality Analyst & Associate Cloud Engineer — Nov 2023 – Present
Aziwa Info system Pvt Ltd — *Chennai, Tamil Nadu*

Testing Responsibilities

- Gained hands-on experience in writing, reviewing, and executing test cases, contributing to the overall testing process.
- Executed manual, API, and JMeter performance testing, ensuring software quality across functional, system, and performance aspects.
- Monitored server logs and promptly reported errors to system administrators and developers. Maintained accurate payment records and transaction logs.
- Provided technical support to customers via Intercom live chat and client calls, offering troubleshooting assistance and occasional product demos.
- Managed team workflows using Azure Boards by creating and assigning tasks, tracking progress through customized boards, and ensuring streamlined sprint execution and task visibility.

Cloud Responsibilities

- Managed end-to-end deployments by configuring Azure VMs, virtual networks, SSH access, and backend pools in Azure Application Gateway to ensure seamless updates, high availability, and secure backups.
- Handled end-to-end GCP deployments by creating VM instances from custom images, configuring unmanaged and managed instance groups, setting up a load balancer, and ensure high availability and scalability.
- Configured Azure Monitor and set up alerts for VM performance and database maintenance, ensuring proactive issue detection and system reliability.
- Deployed Azure DevBox for interns with cost controls and cross-team collaboration for uninterrupted workflows.

PROJECTS

Real-Time URL Monitoring - Alerting System
Tools & Tech: Python, AWS Lambda, DynamoDB, GitHub Actions, HTML/CSS/JS, API Gateway, Serverless Framework

- ∗ Built a serverless URL monitoring system using AWS Lambda + EventBridge to check uptime every 5 minutes and trigger Twilio call alerts on failure.
- ∗ Developed a Flask API deployed via AWS Lambda + API Gateway to fetch and expose downtime logs from DynamoDB.
- ∗ Created a frontend dashboard with HTML, CSS, JS, displaying downtime logs, hosted on GitHub Pages with a domain.
- ∗ Deployments with GitHub Actions and Serverless Framework, enabling CI/CD and scaling via AWS.

Personal Portfolio with Jenkins & Docker on AWS
Tools & Tech: CI/CD (Jenkins), Docker, AWS EC2, GitHub, HTML/CSS/JS

- ∗ Dockerized a personal portfolio website to ensure consistent and isolated deployment environments.
- ∗ Set up Jenkins on AWS EC2 to build a full CI/CD pipeline, triggering deployments on every code push.
- ∗ Integrated GitHub Webhooks to trigger automatic deployments on every code push, ensuring zero-downtime.
- ∗ Managed infrastructure using AWS Free Tier services while ensuring cost-effectiveness and scalability.

SKILLS & TECHNOLOGIES

- **Testing:** Manual Testing, API Testing, Test Case Design, Bug Reporting, Regression Testing
- **Cloud Platforms:** Microsoft Azure, AWS, Google Cloud Platform
- **Databases:** MySQL, DynamoDB
- **Scripting Languages:** Python, Bash
- **CI/CD Tools:** Jenkins, GitHub Actions
- **Containerization:** Docker
- **Operating Systems:** Windows, Linux
- **Other Tools:** Postman API, GitHub, WinSCP, Putty, MS Office, Azure Board, Jira