**Naveen MH**

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## Career Objective:

Results-driven DevOps Engineer with experience in software testing and automation. Proficient in CI/CD, cloud services, containerization, and scripting to enhance software deployment processes. Skilled in identifying and resolving infrastructure issues while maintaining high system reliability. Passionate about streamlining software development lifecycles through automation and testing. Currently actively seeking a DevOps role to transition from a software testing background.

**Professional Experience:**

# QA Engineer

MachineHack GenerativeAI by AIM | Bengaluru | 06/2024 – Present

## Profile Summary:

* Deployed and managed **Docker containers and Kubernetes clusters** to improve scalability and performance.
* Managed **AWS cloud services**, including **EC2, S3, IAM policies, and Lambda**, optimizing cost and security.
* Integrated **log monitoring tools** (Prometheus, Grafana) to improve system performance analysis.
* Collaborated with developers to optimize microservices deployment and troubleshoot issues.
* Designed and executed **test cases** for web and mobile applications, ensuring high-quality software releases.
* Automated **regression testing** using **Playwright**, reducing manual testing efforts by 40%.
* Performed **API testing** using **Postman** and **load testing** using **JMeter**.
* Identified and documented bugs, collaborating with developers for issue resolution
* Assisted in setting up **test environments** using Docker and CI/CD pipelines for automated testing.
* Perform thorough testing of web-based applications to ensure quality and functionality.
* Implemented security best practices, including **SSH key management, SSL/TLS encryption, and firewall configurations.**
* Collaborated with developers to optimize **microservices deployment** and troubleshoot issues.
* Utilized **Jira** for defect tracking and reporting, ensuring timely issue resolution.
* Engaged in the full **software development life cycle (SDLC)** from requirements gathering to deployment.
* Conducted **manual and automated tests** to ensure software stability and reliability.
* Provided insights into **testing progress** and challenges during sprint planning and daily standups.
* Develop, execute, and maintain test cases and scripts.

**Role and Responsibilities:**

* CI/CD Pipeline Development & Automation
  + Design, implement, and maintain **CI/CD pipelines**
  + Automate **build, test, and deployment** workflows to ensure faster and reliable software releases.
  + Integrate testing frameworks into CI/CD pipelines to enhance software quality.
  + Troubleshoot **pipeline failures** and optimize automation processes.
* Cloud Infrastructure Management & Automation
  + Deploy, configure, and manage **AWS services** (EC2, S3, IAM) for scalable cloud solutions.
* Containerization
  + Deploy and manage **Docker containers** and orchestrate **Kubernetes clusters** for scalable applications.
  + Implement **Helm charts** for efficient Kubernetes application deployment.
  + Optimize **container networking, security, and resource utilization**.
* Monitoring, Logging & Performance Optimization
  + Configure and maintain **monitoring and logging tools** like **Prometheus, Grafana**
  + Set up **alerting mechanisms** to proactively identify and resolve system issues.
  + Perform **root cause analysis (RCA)** for performance bottlenecks and system failures.
* Security & Compliance
  + Enforce **cloud security best practices**, including **firewalls, IAM roles, VPN, SSH key management, and SSL/TLS encryption**.
  + Conduct **security vulnerability assessments** and apply necessary patches.
* Collaboration & Agile Methodologies
  + Work closely with **development, QA, and operations teams** to streamline the **DevOps lifecycle**.
  + Participate in **daily standups, sprint planning, and retrospective meetings** as part of Agile workflows.
  + Document and share **best practices for DevOps, cloud, and automation** across teams.
* Software Testing & Quality Assurance
  + Perform **API testing using Postman** and **load testing with JMeter** to ensure application performance.
  + Automate **regression and functional testing** using **Selenium, Playwright, and JUnit**.
  + Maintain **test scripts, bug reports, and test documentation** for continuous quality improvement.
* Continuous Improvement & DevOps Best Practices
  + Stay updated with **emerging DevOps tools, trends, and cloud innovations**.
  + Optimize **existing workflows, automation scripts, and deployment processes** for efficiency.
  + Conduct **internal knowledge-sharing sessions** to upskill teams in **DevOps practices and automation tools**.

## Technical Skills:

DevOps & Automation:

* CI/CD: **Jenkins, GitHub Actions, GitLab CI/CD**
* Configuration Management:  **-NA-**
* Containerization & Orchestration: **Docker, Kubernetes, Helm**

Cloud Platforms

* **Amazon Web Services (AWS)**: EC2, S3, Lambda, IAM, CloudFormation

Programming & Scripting

* Languages: **Python, Bash, Shell Scripting**

Monitoring & Logging

* Prometheus, Grafana

Software Testing & Automation

* Playwright, Postman, JMeter

Version Control & Collaboration

* Git, Bitbucket
* Agile & Scrum Methodologies

**Associate Software Test Engineer**

Analyttica Data labs Pvt Ltd**.**| Bengaluru | 01/2023 – 06/2024

## Profile Summary:

* Proven track record of adeptly leading and inspiring cross-functional teams to achieve shared goals through effective communication, strategic coordination, and fostering a collaborative work environment.
* Used agile methodologies to aid team delivery of effective, quality software solutions.
* Carried out automated and manual test execution, delivering relevant test coverage.
* Analyzed and adjusted software testing systems to increase performance and efficiency.
* Collaborated with the development team to understand project requirements and design test cases accordingly.
* Executed manual and automated test scripts to identify defects, document issues, and track resolutions using [Testing Tools/Frameworks].
* Participated in sprint planning and daily standup meetings to provide insights into testing progress and impediments.
* Conducted functional, regression, and integration testing, end-to-end testing to ensure the stability and reliability of software applications.
* Assisted in the creation and maintenance of test documentation, including test plans, test cases, and defect reports.
* Provided detailed bug reports and worked closely with developers to ensure timely issue resolution.
* Contributed to the continuous improvement of testing processes and methodologies to enhance efficiency and effectiveness.
* Demonstrated excellent communication skills while providing detailed bug reports and working closely with developers to ensure timely issue resolution.

## Role and Responsibilities:

Performed below Automation and manual testing activities based on project scope.

* Leading team of 6 SDET Engineers
* Converted Manual test cases to Automation scripts
* Involved in writing test scripts
* Created test scripts using Web driver
* Used Different type of locators Like Id, Name, Class name, CSS, Xpath, Link test, Partial link
* Manual Testing, Jira

## Technical Skills:

**Software Testing:** Manual & Automation Testing **Automation Tools :** Playwright (JavaScript) **Languages :** JavaScript

**IDE** : VS Code

**Bug Tracking** : JIRA

**Operating Systems** : windows, Mac OS

**Ms-Suit** : word, excel, power point

## Education:

BTech in Computer Science and Engineering | Presidency University | Bengaluru | 2018-2022

## Declaration

I hereby declare that all the information given above is true and correct to the best of my Knowledge and I understand that I shall be held responsible in case of any discrepancy.

**Naveen M H**