PRAVEEN PRABHAKARAN

KodeKloud Certified DevOps Engineer

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📍 Chennai, IN

SUMMARY

With 2+ years as a Software Testing Associate at Amazon, I am transitioning to DevOps Engineering to work with a broader tech stack. My background in testing has honed my focus on quality and reliability, which I now apply to building automated, scalable systems and optimizing deployment pipelines. I've gained expertise in **CI/CD**, **cloud platforms (AWS, Azure)**, **containerization (Docker, Kubernetes)**, and **Infrastructure as Code (Terraform, Ansible)**. I am passionate about leveraging automation to enhance workflows, improve system performance, and enable continuous integration.

EDUCATION

M.Sc. Information Technology in Network System
University of Madras
📅 2019 - 2021   📍 Chennai, India

Specialized DevOps Learning Program
KodeKloud
📅 12/2024 - Present   📍 Chennai, India

EXPERIENCE

DevOps Engineering Practitioner
KodeKloud
📅 12/2024 - Present   📍 Chennai, India

- Gained hands-on expertise in the **DevOps lifecycle**, including **CI/CD**, **Automation**, **Infrastructure as Code (IaC)**, and **Cloud computing**.
- Implemented end-to-end **DevOps pipelines** using tools like **Jenkins**, **GitLab CI**, and **CircleCI** to automate build, test, and deployment processes.
- Utilized **Docker** and **Kubernetes** to containerize and orchestrate applications in cloud-native environments.
- Led **cloud infrastructure provisioning and management** on major platforms like **AWS**, **Azure**, and **Google Cloud**, leveraging services such as **EC2**, **S3**, **IAM**, **Lambda**, and **CloudFormation**.
- Worked with **Infrastructure as Code (IaC)** tools like **Terraform** and **Ansible** to automate cloud provisioning and configuration management, ensuring scalability and cost-efficiency.
- Configured and managed **monitoring and alerting systems** using **Prometheus**, **Grafana**, and **Nagios** to ensure high availability and performance.
- Implemented **CI/CD pipelines** with emphasis on testing automation, integration, and security using **SonarQube**, **Selenium**, and **OWASP ZAP**.
- Applied **version control** strategies using **Git** and **GitHub** for managing source code and team collaboration.
- Automated **cloud-based infrastructure deployments** using **Terraform** and **AWS CloudFormation** for improved efficiency.
- Gained proficiency in **Linux/Unix administration**, including scripting with **Bash** and automation of repetitive tasks.
- Implemented **log aggregation** using **ELK Stack (Elasticsearch, Logstash, Kibana)** to monitor and analyze logs from distributed applications.Enhanced system security by configuring **firewall rules**, **IAM roles/policies**, and applying best practices in cloud security.

SKILLS

Programming Skills

Python   Golang   Java   Bash

Databases & Cloud services

MySQL   PostgreSQL   MongoDB

Redis   Kafka   Amazon web services

Microsoft Azure   GCP

Tools

Packer   Docker   Kubernetes

Ansible   Puppet

Development

TDD   CI/CD   Incremental Releases

Pipelines   Agile   Jenkins   Chef

CERTIFICATION

Google Technical support fundamentals
Google

Certified in Docker Containerization
KodeKloud, 2025

Certified Kubernetes Administrator & Developer
KodeKloud, 2025

Certified in Terraform
KodeKloud, 2025

Certified in Helm/Istio/Gitops(ArgoCD)/Prometheus
KodeKloud, 2025

STRENGTHS

💬 **Communication**
Open-minded, outgoing and patient in conversations with others.

⭐ **Automation Expertise**
Strong in automating repetitive tasks to improve efficiency and reduce human error, with hands-on experience creating automated tests and continuous integration pipelines.

EXPERIENCE

Device Associate, Associate Quality Services (QA)

Amazon

📅 11/2021 - 03/2024   📍 Chennai, India

- Supported the quality assurance process for Amazon Fire Tablets by executing **manual and automated tests**, ensuring high-quality performance and usability of the devices.
- Tested software applications, hardware components, and integrations to ensure system compatibility and functionality across various test environments.
- Automated repetitive testing processes using **Python** and **Selenium**, significantly reducing manual intervention and increasing testing efficiency by 91**%**.
- Controlled test environments and configurations to guarantee consistent and accurate results, enabling rapid feedback and issue identification.
- Collaborated with cross-functional teams (development, operations, product management) to ensure software issues were addressed efficiently, reducing release cycle times.
- Assisted in the creation and execution of comprehensive test plans, identifying potential risks and reporting findings in detail to engineering teams for prompt resolution.
- Enhanced test coverage by designing and implementing new test cases, contributing to the overall reliability and robustness of Fire Tablet releases.
- Addressed bugs and defects in a timely manner, working with developers to track, prioritize, and resolve issues within the development lifecycle.
- Informed team members and stakeholders of testing progress, bug reports, and resolutions through clear and concise communication via **Jira** and **Confluence**.
- Troubleshot issues within the test environment, ensuring rapid identification and mitigation of any disruptions to the testing process.
- Assisted in integrating automated tests into the **CI/CD pipeline**, contributing to faster and more efficient build and deployment cycles.
- Collaborated with the DevOps team to streamline test environment setups, using **AWS services (EC2, S3, IAM)** to support scalable and cloud-based testing solutions.

ADDITIONAL SKILLS

JIRA   TestRail   Confluence   SDLC

User Acceptance Testing

Automation-Testing

Functional & Non-Functional Testing

Android Debug Bridge   Python-Automation

Linux administration

Network troubleshooting