

Ajay Kumar Patel - DevOps & QA Engineer

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Professional Summary

DevOps Engineer with 8+ years of IT experience with proficiency in DevOps, including hands-on experience in infrastructure automation, CI/CD pipeline management and deployment automation with experience supporting multi-OS environment and automating middleware deployment. Progressed from Software Testing to DevOps Engineering, bringing a strong automation and quality-focused background to software delivery and infrastructure operations.

Career Highlights

- Expanded deployment automation to SUSE Linux using Ansible, increasing infrastructure coverage to multiple supported operating systems.
- Enabled application support for the latest Windows OS by validating deployments manually with the latest MS SQL server and JDBC driver versions.
- Migrated Jenkins CI/CD pipeline notification from MS Teams to Google chat space, improving pipelines status visibility for 200+ employees.
- Provisioned a controller machine across multiple operating systems, enabling 50+ infrastructure engineers to access AWS EC2 environments and monitor deployments.
- Enabled parallel execution of BVT suites on BrowserStack, reducing overall test execution time by more than 50%

Key Skills

Configuration Management | Infrastructure Automation | CI/CD Pipeline Management | Deployment Automation | Linux & Multi-OS Deployment | Cloud & Containerization | Pipeline Monitoring & Troubleshooting | Automation Scripting | Test Automation

Tools & Technologies

CI/CD: Jenkins | **Infrastructure & Configuration:** Ansible, Ansible Playbooks, YAML | **Scripting & Programming:** Shell Scripting, Python | **Database:** SQL | **Cloud & Containerization:** AWS, AWS EC2, Docker, Kubernetes, AWS EKS, Terraform | **Version Control:** Git, GitHub | **Test Automation:** Selenium, Selenium Grid, TestNG, Gradle

Professional Experience

1. HCL Software - Pune, Maharashtra | Nov 2019 - Jul 2026

Software Engineer II (DevOps)

- Implemented and validated WebSphere and IHS upgrade/downgrade workflows across RHEL, SUSE Linux, and AlmaLinux, including TLS SAN updates, hostname verification and extended user registration for deployment.
- Integrated full support for latest browser release across all BVTs on Selenium Grid, improving the cross-browser compatibility rates by 100%.
- Given Knowledge transfer on the current CI/CD pipeline execution and BVT execution to the new joining.
- Automated WebSphere fix pack deployment and IBM DB2 installation/upgrade tasks using Ansible, reducing manual configuration effort and deployment errors.

Software Engineer I (QA Automation)

- Developed and maintained robust automated test suites accelerating BVT execution pass rates by 95% while enhancing overall cross-browser compatibility.
- Automated 100+ testcases across different component of the Application features
- Migrated core test suites from old version of Application to the new version of application while maintaining 100% test coverage.
- Validated BVT test suites compatibility with the latest browsers version
- Managed daily health monitoring of 19+ Jenkins pipelines for different component, multiple servers and BVT environment, supporting build promotion, pipeline troubleshooting and deployment validation.

2. Advent Software - Pune Maharashtra | Software Tester | Jun 2017 - Oct 2019

- Developed and executed functional and regression test cases for new product features, contributing to improved release quality and reducing post-launch critical defects by 40%.
- Performed regression and targeted validation during release cycle, identifying defects early and verifying fixed before production releases.

Certifications

- Certified Training on Kubernetes Administrator
- Certified Training in Software Testing

Education

B.Tech - Information technology | Bharati Vidyapeeth Deemed University College Of Engineering | 2012 - 2016 | 74%