

BANIPRASAD MANGARAJ

SOFTWARE AUTOMATION TEST ENGINEER | DEVOPS

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PROFESSIONAL SUMMARY

Detail-oriented Automation Test Engineer with over 2+ years of experience designing scalable automation frameworks and managing robust CI/CD pipelines. Proficient in Selenium, Appium, Docker, Kubernetes, Jenkins, GitLab, and AWS. Skilled in Agile practices, mobile and web automation, infrastructure automation using Terraform and Ansible, and performance testing. Proven ability to streamline DevOps practices and reduce deployment cycles.

TECHNICAL SKILLS

- **Test Automation Tools:** Selenium, JUnit, TestNG, Appium, Cucumber
- **CI/CD Tools:** Jenkins, GitLab CI/CD, GitHub Actions, Docker, Kubernetes, Linux
- **Version Controls/Project Management Tools:** Git (GitHub/GitLab), Jira, GitLab Issues
- **Programming Languages:** Java, Bash
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, EKS, IAM)
- **Performance Testing Tools:** JMeter, LoadRunner
- **Other Tools:** Postman, REST Assured, Maven, Terraform, Ansible, Helm, Prometheus, Grafana
- **Soft Skills:** Critical Thinking, Problem Solving, Team Leadership, Agile Collaboration

PROFESSIONAL EXPERIENCE

Automation Test Engineer (DevOps & CI/CD)

Ajatus Software Pvt Ltd – Bhubaneswar, Odisha

Dec 2022 – Present

Test Automation & Framework Development

- Built scalable automation frameworks (Selenium, Appium, TestNG), cutting regression test time by 30%.
- Developed 200+ test cases for cross-platform apps using data-driven techniques.
- Enhanced testing efficiency by 25% through structured test suite design.

CI/CD & DevOps Implementation

- Designed CI/CD pipelines using Jenkins and GitLab, automating test execution and deployments.
- Integrated automated test cases into CI pipelines for faster feedback loops.
- Orchestrated deployments using Docker and Kubernetes (EKS), improving uptime and scalability.
- Automated infrastructure setup with Terraform and Ansible, reducing manual effort by 40%.

Monitoring & Collaboration

- Set up Prometheus/Grafana dashboards to track metrics, reducing system downtime by 20%.
- Participated in Agile sprints, sprint planning, retrospectives, and QA reviews.
- Used Git for version control and team collaboration.
- Recognized as “Improver of the Month” for enhancing DevOps-QA synergy.

PROJECT EXPERIENCE

ICARDA – SaaS Platform

Tech Stack: React, Java, PostgreSQL, Angular (Ionic)

- Automated 300+ test cases for frontend/backend/mobile using Selenium + TestNG
- Implemented Jenkins pipelines for full regression runs post-commit, reducing test time by 40%
- Dockerized test environments for consistency, eliminating 90% of setup-related issues
- Managed AWS EC2 test infra using Terraform for parallel test runs

Recycle Pay – Marketplace Platform

Tech Stack: React, Node.js, MongoDB, Angular (Ionic)

- Created data-driven automation framework with Appium, improving test accuracy by 35%
- Set up GitLab CI/CD pipeline gates for test validations before merge/deployment
- Deployed tests on BrowserStack to enable 60% faster mobile test cycles
- Used Ansible to deploy identical test setups across QA teams in under 30 minutes

Giovani Fabrics (Bangkok) – ERP Solution

Tech Stack: Bootstrap, PHP (Yii2), PostgreSQL, Angular (Ionic)

- Built automation framework with Selenium, TestNG, and Cucumber for ERP modules
- Created requirement traceability matrices ensuring 100% coverage
- Identified and resolved defects using GitLab; improved system stability through performance testing

EDUCATION

B.Tech in Mechanical Engineering

Gandhi Engineering College

2015 – 2019

Higher Secondary (+2 Science)

Gayatri +2 Science Residential College

2013 – 2015

Secondary Education (10th Grade)

Sri Aurobindo Integral Education Centre

2012 – 2013

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Odia (Native)

HOBBIES & INTERESTS

Travelling | Fitness | Cricket | Gardening | Mobile & PC Gaming