

# SUDARSAN PUHAN

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## Professional Summary

Accomplished SDET and Automation Engineer with over 5 years of experience in designing, developing, and implementing scalable automation frameworks. Expertise in Java, Selenium, API testing, and CI/CD integration to ensure high-quality software delivery. A proactive problem-solver with a proven record of reducing manual testing efforts by over 70%, improving release quality, and accelerating delivery timelines in fast-paced Agile environments.

## Technical Skills

**Programming:** Java, TypeScript, SQL

### Automation &

**Testing:** Selenium WebDriver, Playwright, Appium, TestNG, Cucumber (BDD), REST Assured, Postman, JMeter

**DevOps & Tools:** Jenkins, GitHub Actions, Docker, Kubernetes, Git, Maven

### Cloud &

**Monitoring:** Google Cloud Platform (GCP), Splunk, Datadog

### Methodologies &

**Process:** Agile (Scrum), JIRA, Confluence

## Work Experience

### Senior Software QA Automation Engineer, UKG

Apr 2023 – Present

- Designed and implemented a scalable Selenium automation framework from scratch using Java, reducing manual regression effort by 70%.
- Built a robust API test automation framework using REST Assured, leading to a 20% faster release cycle for microservices.
- Integrated automation suites into CI/CD pipelines using Jenkins and GitHub Actions for continuous feedback and nightly builds.



- Conducted performance testing with JMeter to identify and report system bottlenecks, improving application response times by 15%.
- Mentored two junior engineers on automation best practices, code reviews, and framework architecture.

### **Senior Software Engineer, Capgemini**

*Jun 2021 – Mar 2023*

- Developed and maintained automated test suites for web applications in the insurance domain using Java, Selenium, and TestNG.
- Reduced regression testing time by 70% by automating critical user workflows and integrating tests into the build process.
- Performed comprehensive manual and automated testing, including system, regression, smoke, and sanity testing to ensure release quality.

### **Graduate Engineer Trainee, Gestamp Automotive**

*May 2019 – May 2020*

- Executed software validation and quality assurance checks for automotive control systems, ensuring compliance with industry standards.
- Assisted in requirements analysis and created detailed test summary reports to inform stakeholders of testing progress.

## **Projects**

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### **Internet Banking Automation Framework**

- Developed a comprehensive end-to-end UI and API automation framework for a banking application using Java, Selenium, TestNG, and REST Assured.
- Features include Page Object Model (POM), data-driven testing with TestNG DataProviders, and detailed Extent Reports.
- Integrated with Jenkins for scheduled CI execution and utilized GitHub for version control.

## **Education**

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### **Bachelor of Technology (B.Tech), Mechanical Engineering**

2019

Gandhi Engineering College, Bhubaneswar | CGPA: 7.64 / 10