

SURAJ BHALERAO

QA Automation Engineer

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PROFILE SUMMARY

Automation Test Engineer with 1.5 years of hands-on experience in Java-based Selenium automation. Strong expertise in designing scalable TestNG frameworks, automating end-to-end UI regression, and validating backend APIs using Postman. Experienced with CI integration using GitHub Actions and developing Python utilities to automate device log collection and improve test reliability.

EXPERIENCE

Automation Test Engineer

Accolade Electronics Pvt Ltd

Aug 2024 – Present

- Designed and developed a data-driven TestNG automation framework to validate real-time ATCU device data received through APIs.
- Automated end-to-end UI regression workflows using Selenium WebDriver, reducing manual regression effort and improving release confidence.
- Performed backend API validation using Postman to ensure data consistency and correct system integrations.
- Built a Python-based utility to extract and upload ATCU device logs, automating scheduled uploads using CRON.

PROJECTS

Web Automation

Sept 2024 – Present

Tech Stack: Java, Selenium WebDriver, TestNG, Maven, GitHub Actions

- Developed a modular and scalable Selenium automation framework following Page Object Model and Factory design patterns.
- Implemented TestNG listeners for retry logic, automatic screenshot capture on failures, and centralized logging using Log4j.
- Integrated automation runs with GitHub Actions for scheduled and on-demand CI execution.
- Improved defect detection by approximately 30 percent through consistent regression execution and structured reporting.

Log Extraction and Upload Utility

Oct 2024 – Feb 2025

Tech Stack: Python, OneDrive API, Shell Script, Raspberry pi, Rclone

- Built a desktop utility to automate real-time log extraction from ATCU devices over serial communication with IMEI-based organization.
- Implemented automatic serial port detection, fallback handling, and ANSI sequence removal for clean log output.
- Designed a macro execution engine to run scripted serial commands with controlled delays.
- Added robust exception handling and disconnection monitoring to ensure reliability during unstable hardware interactions.

EDUCATION

Bachelor of Engineering

Jaihind College of Engineering

July 2023

GPA: 8.5

TECHNICAL SKILLS

- Programming Languages:** Java, Python
- Automation Testing:** Selenium WebDriver, TestNG, Page Object Model
- API Testing:** Postman, RestAssured
- Build CI/CD:** Maven, GitHub Actions
- Version Control:** Git, GitHub
- Test Management:** Jira
- Other Tools:** WinSCP, AWS S3

CERTIFICATIONS

- Oracle Gen-AI Professional – Oracle
- Java Full Stack Developer – Anudip Foundation

MINOR PROJECTS

- Orange HRM web automation
- Full website API automation in postman

SOFT SKILLS

- Problem Solving
- Clear Communication
- Quick Learner