

HARNAM SINGH ARORA

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Pune, Maharashtra, India

PROFESSIONAL SUMMARY

Results-focused Software Tester & Automation Engineer with 2+ years of hands-on experience in designing and implementing scalable automation frameworks that enhance software quality. Proficient in Java, Selenium WebDriver, and Cucumber for robust UI testing, and Karate for comprehensive REST API validation. Skilled in building Python-based CLI tools to streamline QA workflows, with proven success in reducing manual testing by 20% and accelerating debugging by 15%. Committed to writing clean, maintainable test code, fostering cross-functional collaboration in Agile teams, and driving faster, more reliable software releases.

TECHNICAL SKILLS

Languages: Java, Python

Tools: Selenium WebDriver, Cucumber, Karate, TestNG, Jenkins, Git, GitHub

Testing: API Testing, Functional Testing, Automation Testing, Regression Testing

Other: Python Regex, CLI Tools, File Handling

EXPERIENCE

Software Developer & Tester – Cognizant, Pune June 2022 – December 2023

- Designed and implemented a scalable automation framework using Java, Selenium, and Cucumber, reducing manual QA efforts by 20%.
- Developed automated API test cases using Karate for services like login, cart, and order placement.
- Built a Python CLI tool to extract key error logs, which helped reduce triage and debugging time by 15%.
- Collaborated in Agile Meetings (daily stand-ups, sprint planning) to identify defects early and ensure smooth releases.

R&D Tester – Forvia (Faurecia), Pune December 2022 – May 2022

- Executed comprehensive functional and regression testing on automotive software modules.
- Developed detailed, actionable test cases to proactively identify issues and minimize rework.
- Crafted responsive HTML email templates for internal marketing initiatives, enhancing communication reach.

Team Leader – Prepca Pvt. Ltd., Pune February 2019 – November 2021

- Led a team of 5+ members and optimized task workflows, improving daily productivity by 10%.
 - Handled team training, task planning, and platform troubleshooting to support end users effectively.
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PROJECTS

Log File Analyzer (Python)

- **Built a command-line tool** using **Python** and **regex** to scan **.log files** for error entries.
- **Improved QA efficiency** during production issue analysis by highlighting only relevant log lines.

E-Commerce Automation Suite

- **Designed a hybrid test automation framework** using **Java**, **Selenium WebDriver**, **Cucumber (BDD)**, and **Karate**.
- **Automated key flows** such as login, product search, cart, and checkout; **integrated API and UI testing**.
- **Incorporated TestNG** for test management and **Jenkins** for **CI/CD execution**.

Personal Portfolio Website

- **Built a fully responsive website** to showcase personal and professional projects.
- **Tools & Technologies:** HTML, CSS, JavaScript, **GitHub Pages**.

Flappy Bird & Snake Game (Python, Pygame)

- **Created two classic arcade-style games** with **custom logic**.
- **Tools & Technologies:** Python, Pygame.

EDUCATION

Bachelor of Computer Application (BCA), Savitribai Phule Pune University

2018 – 2021