SRINIVASA R
Automation Engineer | Technical Lead
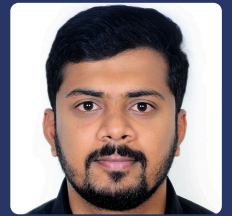
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📍 Bengaluru

EXPERIENCE

Technical Lead

HCLTech(Project: Eagle – PCB Design Software)

📅 06/2022 - Present   📍 Bangalore, India

- Automated application installation and environment setup using **Excel-driven** logic in **TestComplete**, eliminating manual installation steps.
- Reduced manual setup effort and improved automataZion reliability, leading automation efforts that reduced regression cycles by **40%** and improved release confidence.
- Reduced manual dependency and errors by centralising installation and execution control within **TestRail.**
- Performed end-to-end system validation in collaboration with the **US-based Eagle PCB Design team**, covering **simulator**-based and real execution environments.
- Executed early-stage validation using simulators to verify functionality, workflows, and system behavior before full environment availability.
- Designed and automated functional and regression test cases using **TestComplete** with **Python scripts.**
- Integrated automation scripts into the **CI/CD pipeline**, ensuring seamless execution of test suites across builds.
- Created and maintained test cases in **TestRail,** ensuring traceability with customer requirements.
- Experienced in managing TestComplete automation frameworks using **Git** and executing cloud-based test validations on **AWS** environments.

Senior Test Engineer

Emids(Project: Infosario Registry Platform)

📅 02/2021 - 06/2022   📍 Bangalore, India

- Designed and implemented scalable **UI automation** using **Selenium WebDriver** and **Robot Framework (Python)** to validate complex, multi-module product workflows.
- Built and maintained reusable automation frameworks, improving execution stability, test coverage, and long-term maintainability.
- Integrated automation suites with **Jenkins CI/CD pipelines**, enabling continuous regression execution and early defect detection.
- Used **Git** for version control, managing automation code, reviews & releases
- Executed automation and validation on **AWS environments**, ensuring consistent behavior across cloud-hosted deployments.
- Performed **API testing** and validation using **Postman**, verifying request/response behavior and backend integrations.
- Developed Python-based automation utilities to support **UI, API,** and system-level testing.
- Led functional, regression, and system testing, owning release-level quality and stability.
- Managed defect lifecycle using **JIRA,** including impact analysis, prioritization, and verification of fixes.

Senior Product Development Engineer

Harman(Certiq – Epiroc Mining India Pvt Ltd, Intel pre-silicon validation, HEIS – Harman Employee internal sales site)

📅 07/2016 - 02/2020   📍 Bangalore, India

- Validated **Certiq mining data platform** collecting telemetry from multiple mining machines, ensuring reliable data ingestion and processing.
- Performed telemetry validation using **simulators** and **Python automation**, enabling early and repeatable testing without physical hardware.
- Tested **APIs** and data pipelines using **Postman** and **Python scripts**, validating payload structure, data accuracy, and error handling.
- Performed **pre-silicon validation** on Intel platforms using simulation environments and Python automation.
- Identified, analyzed, and debugged early-stage system issues in collaboration with firmware, architecture, and platform teams.

SUMMARY

Creative Automation Engineer with **8+ years of experience** in building scalable, reliable automation frameworks for **web, API, simulation, and cloud-based applications**.

Strong expertise in **Python, Selenium, Robot Framework, CI/CD (Jenkins/Git), AWS, and TestRail**, and integrating automation into **DevOps pipelines**.

Experience in developing **end-to-end test automation frameworks** for cloud, simulation, and enterprise applications.

Strong background in **STLC, SDLC, and testing methodologies**, ensuring comprehensive QA coverage across projects.

Leadership and collaboration in managing cross-functional teams, enhancing automation strategies, and supporting continuous integration processes.

SKILLS

Python
Selenium
Robot Framework
Pytest Framework (Basic Level)
API Testing – Postman
GitLab
Jenkins
AWS
Azure Storage
Jira
TestRail
TestComplete
Verification and Validation

EDUCATION

Bachelor of Engineering

KNS Institute Of Technology

📅 01/2010 - 01/2014   📍 Bangalore, India

KEY ACHIEVEMENTS & TRAINING / COURSES

⭐ **Business Champion Award**
Awarded Business Champion Award for eliminating **Excel-based dependencies** and migrating installation automation to **TestRail**, significantly improving execution reliability and traceability.

✨ **AWS Fundamentals – Udemy**
Regularly upskilling through **Udemy,** recently focusing on **AI** to strengthen **cloud** and automation capabilities.