

# Sreerag Urupurath

+91 8300050517 | [sreeragseenu@gmail.com](mailto:sreeragseenu@gmail.com) | [linkedin.com/in/sreerag-u](https://www.linkedin.com/in/sreerag-u) | [github.com/strawhatrag](https://github.com/strawhatrag)

## EXPERIENCE

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### Software Engineer in Test (Apprenticeship)

Aug. 2021 – Aug. 2022

*Cisco Systems, Inc.*

*Bengaluru, India*

- Executed over 500 automated tests on testbeds containing switches, routers, and remotely configured data storage using Python-based test frameworks, reducing workload on senior engineers and increasing focus on planning and releasing.
- Led individual project to automate the SAN boot process in new builds, developing 40+ reusable Python test scripts and adding new library files to the team's automation codebase, improving efficiency and reducing manual efforts.
- Conducted comprehensive Knowledge Transfer sessions for the automation team and provided guidance and support to new team members during their onboarding process, enabling 3 new team members to start their work faster with support and guidance.
- Improved network performance and ensured smooth operation by handling multiple tasks and proactively monitoring and resolving issues, becoming the go-to person for multitasking and operations within the team.

## PROJECTS

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### Docker and MongoDB UI App | *Docker, Node.js, MongoDB, Google cloud*

- \* A front-end built using HTML, JavaScript and CSS and back-end built using Node.js and the express module.
- \* MongoDB database for data storage, hosted in Docker containers
- \* The use of Google Cloud's Container Registry (gcr.io) to store docker images.

### Rest Assured API Testing | *Postman, REST API, Java, Maven, TestNG*

- \* Designed and carried out REST API testing using the Rest Assured framework and the Java programming language, with the aid of TestNG annotations.
- \* Authentication of API calls, User Authentication Testing and end-to-end API chaining testing.

### Jenkins Web Automation Test | *Jenkins, Java, Selenium WebDriver, Maven, JUnit*

- \* Ran automated testing using Jenkins, including test scripts to check negative and positive login to the website.
- \* TestNG listeners to record test failure and retrieve screenshots on negative logins.
- \* Automated the entire process using Selenium WebDriver and executed automated tests using a Jenkins server.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL (Postgres), JavaScript, HTML/CSS, Bash Scripting.

**DevOps:** Docker, Google Cloud Platform, AWS, Jenkins, Nexus.

**Test Tools:** Selenium, TestNG, JUnit, Jmeter, Postman, Cucumber.

**Developer Tools:** Git, GitHub, GitLab, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Jupyter.

## EDUCATION

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### Pondicherry University

Pondicherry, India

*Bachelor of Technology - Electronics and Communication Engineering (First-Class)*

*Aug. 2016 – Oct. 2020*

**Certifications:** Automation Test Engineer - Masters Program (Simplilearn), Java Programming (HackerRank), Python Certification (Simplilearn), Implement and Administering Cisco Solutions (Cisco)

## PERSONAL PROFILE

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**Knows:** English (Fluent), Malayalam, Hindi, Tamil, French.

**Location:** Kerala, India - 673311

**Interests:** DevOps, Cloud, Automation.