

# Priya Shah

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## PROFESSIONAL SUMMARY

**Software Developer in Test (SDET)** with **5+ years of experience** in **automation, REST API testing, and CI/CD integration**. Skilled in designing **reliable, behavior-driven test frameworks** and integrating them into **GitLab/Jenkins pipelines** to support **fast, stable releases**. Proven track record in **Agile environments** with a strong focus on quality, collaboration, and continuous improvement.

## PROFESSIONAL EXPERIENCE

### Software Test Automation Developer at Nokia, Ottawa, ON

Jan 2022 – Present

- Led Python-based automation testing for network management software using **Selenium** and **Radish** (BDD), improving regression stability and test coverage.
- Strong expertise in **quality assurance**, test documentation, and **test planning**.
- Hands-on experience in **REST API development and testing**, building **Pydantic models**, maintaining **code linting and formatting standards**, and performing **regression testing**.
- Improved **product quality by 40%** by introducing **early defect detection, regression optimization, and targeted test coverage**, resulting in faster releases and lower execution costs.

### Software Engineer at elInfochips, Gujarat, IN

Jul 2017 – Jan 2021

- **2.5+ years of experience in Python-based automation, REST API testing, embedded device testing, and CI/CD pipeline integration**, with exposure to **machine learning and IoT solutions** on **NVIDIA Jetson TX1**.
- Strong ability in **debugging Cisco router OS issues, client collaboration, requirement gathering, feature planning, and delivering high-quality software** in Agile environments.

## Projects

### 1. Digital Twin As A Service (Dtaas - Project at Nokia)

Worked on a digital twin network service that replicates customer networks into a containerized network topology for simulation and validation. Designed, developed and executed **test features** to validate service functionality, scalability, and reliability. Contributed to backend development, including **REST API implementation** and integration of third-party services using **Python, Ansible** and **Terraform**.

### 2. Cloud managed SD-WAN tools (Project at Nokia)

Kickstarted a **Python–Selenium automation framework** for the **Nuage SD-WAN portal**, automating test scenarios using the **Radish BDD framework**. Developed and executed **automation scripts**, integrated tests into **Jenkins CI/CD pipelines**, and performed **regression and defect validation** to improve overall software quality.

### **3. Jira Agent (Personal Project)**

Designed and developed a **GenAI-powered multi-agent system** using the **Google ADK** framework to streamline everyday JIRA operations. The solution enables automated creation and linking of Epics, Stories, and Bugs, intelligently populates requirement details (descriptions, assignees, etc.), and includes a search agent to improve efficiency in locating defects, stories, and epics.

### **4. Medical Device Automation (Project at elnfochips)**

Automated testing for the **Impella medical console**, developing **Python automation scripts using Behave and REST API test hooks** for server-side software written in C. Executed **automated, manual, and semi-automated test cases** via **Jenkins and JAMA**, tracked defects in **JIRA**, and collaborated with clients through regular status updates to align development with requirements.

## **Skillset**

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**Languages:** Python, Shell script, Groovy Script, Jinja, JS, C

**DevOps & Cloud :** Ansible, Terraform, docker, Jenkins, GCP, Git

**Tools:** Jira, WordPress, Postman, Jama

**Frameworks:** Behave, Robot, Flask, Radish, Google ADK

**Operating Systems:** Linux, Windows, Mac OS

**Database and Streaming:** Spark, Kafka, MySQL, Oracle, PostgreSQL, Neo4j

## **Education**

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### **Master of Engineering**

Major in Software Systems

**University of Regina**

88.6 GPA (2021-2023)

### **Bachelors of Engineering**

Computer Engineering

**Gujarat Technological University**

8.67 CGPA (2013-2017)

## **Achievements**

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- Nokia IP Networks & Services Fundamentals – Certified
- Featured in The Globe Women's Collective – Idea Exchange (2023), representing Nokia
- Awarded Web Engineering Excellence, RCE Saskatchewan (2022)
- Published research paper in IJAERD (Paper ID: CO012)

## **Interests**

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- Sports (Volleyball), Skating, Trekking, Card making and decoration

References available upon request