

# Ishwarya Kavitha Ravichandran

Senior SDET · Software Development Engineer in Test  
✓ H-1B Visa – Authorized to Work

Irving, TX · Dallas–Fort Worth  
ishwaryaravi97@gmail.com  
+1 2144124665  
<https://www.linkedin.com/in/ishwaryakr/>

Senior SDET with **6+ years** delivering enterprise test automation across Telecom, Manufacturing, and Banking at **Verizon, Rolls-Royce, and CIBC**. Expert in **Selenium WebDriver, Cypress, Robot Framework**, REST API automation, and **Playwright** within enterprise CI/CD pipelines. Recognized for pioneering **GenAI-augmented testing** AI-driven test generation, defect prediction, and synthetic data at scale.

## EXPERIENCE

### Senior Automation Engineer

Nov 2025 – Present

Verizon · Irving, TX

- Lead quality engineering for Verizon's enterprise telecom platforms activation, provisioning, billing, and microservices enforcing SDLC/STLC compliance across all release stages.
- Architect scalable web, API, and microservices test frameworks; drive AI-powered regression optimization with dynamic test prioritization using code-change signals and defect history.
- Pioneer **GenAI-assisted automation** LLM test case generation, synthetic subscriber data creation, and AI-driven defect prediction reducing cycle time by **30%+**.
- Govern sprint-level release strategy across DevOps, Network Engineering, and OSS/BSS teams via CI/CD quality gates.

### Automation Engineer II

Jul 2023 – Aug 2025

TCS · Client: Rolls-Royce PLC (Aerospace)

- Designed Cypress frameworks for Angular enterprise apps with reusable command libraries and Azure DevOps pipeline integration.
- Built REST API automation via RestAssured (Java) and Postman; integrated LangChain GenAI for auto-generating BDD/Gherkin scenarios 40% high-risk coverage uplift.
- Automated a critical Engineering Change Request (ECR) workflow, eliminating 3 hours of manual effort per engineer per ECR delivering an estimated **\$2M/year in organizational cost savings**.
- Led Go/No-Go release decisions with defect trend dashboards; mentored engineers on AI-assisted test design and prompt engineering.

### Automation Engineer I

Jun 2019 – Jul 2023

TCS · Client: CIBC & Simplii Financial (Banking)

- Developed a data-driven Selenium/Java framework with TestNG and Page Object Model, integrated into Jenkins CI pipelines for continuous regression execution.
- Architected the complete automation framework from scratch for **Simplii Financial**, independently selecting tooling, defining CI/CD integration, and establishing engineering standards for a greenfield digital banking platform.
- Scaled test coverage from functional regression to a full-spectrum engineering layer Accessibility Mobile, UI/UX, cross-browser, and API across all retail banking touchpoints.
- Part of the **highest-performing delivery team** across CIBC's entire testing organization for 3 consecutive years, consistently delivering smooth monthly production releases through tight cross-functional collaboration.
- Engineered synthetic test data management strategy for complex banking scenarios customer profiles, account states, and transaction datasets across dev, staging, and production-mirror environments.
- Served as primary automation contact for Simplii Financial stakeholders, translating product requirements into automated coverage and championing quality on a platform with zero prior automation infrastructure.

## TECH STACK

### AUTOMATION

Cypress · Selenium · Robot Framework · Playwright · Appium · TestNG

### LANGUAGES

Java · Python · TypeScript · JavaScript · SQL

### API & PERF

RestAssured · Postman · JMeter

### CI/CD

GitHub Actions · Jenkins · Azure DevOps · Bitbucket

### GENAI TESTING

LangChain · AutoGPT · FastAPI

### ALM & AGILE

JIRA · HP ALM · Confluence · Scrum

## DOMAINS

- Telecom (Verizon)
- Banking (CIBC)
- Aerospace (Rolls-Royce)

## EDUCATION

### B.E. Electronics & Communication

Engineering · Anna University  
2019

## CERTIFICATIONS

### GenAI & AI Agents for Testing

Udemy · 2024

### Generative AI in Testing

Udemy · 2024

### Multi-Agent Systems for QA

Udemy · 2024

### Agile Scrum Fundamentals

2023