

# HRUTHIK N H

QA Automation Engineer – Manual, Automation & API Testing

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## PROFESSIONAL SUMMARY

Dynamic and detail-oriented **QA Automation Engineer with 3.2 years of hands-on experience** in Manual, Automation, and API testing, with proven expertise in designing, developing, and executing automation frameworks for Web and API applications across Healthcare and E-Commerce domains. Demonstrated success in improving automation coverage, accelerating release cycles, and enhancing product quality using **Cypress, Selenium, and CI/CD pipelines**. A strong collaborator in Agile environments with solid experience in scalable test strategy development, defect management, and continuous process improvement.

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## TECHNICAL SKILLS

**Programming & Scripting:** JavaScript, C# **Automation Tools:** Cypress, Selenium WebDriver, Postman, Swagger, BrowserStack **Frameworks:** BDD (Cucumber), Page Object Model, TestNG, .NET, Data-Driven Testing **CI/CD & DevOps:** Jenkins, GitHub Actions, AWS **Testing Types:** Smoke, Regression, Functional, Sanity, Integration, UAT, API Testing, End-to-End **Technologies & Tools:** Jira, Confluence, Visual Studio, VS Code, NetSuite **Version Control:** Git, GitHub **Methodologies:** Agile Scrum, SDLC, STLC

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## PROFESSIONAL EXPERIENCE

### QA Automation Engineer & Analyst | QSG Technologies Pvt Ltd — Bengaluru

April 2022 – July 2025

#### Automation Testing

- Developed and maintained automated test scripts using **Cypress & Selenium**, improving test execution efficiency by **30%**.
- Automated and maintained **200+ test cases** covering Smoke & Regression testing achieving **60% automation rate**.
- Reduced script errors by **26%** by optimizing reusable and scalable automation utilities.
- Integrated test automation with **CI/CD pipelines**, increasing deployment frequency by **20%**.
- Strengthened defect tracking by documenting issues in **Jira**, reducing resolution time by **35%**.
- Utilized OOP principles such as abstraction, inheritance, polymorphism, and encapsulation to design a scalable automation framework, enabling efficient code reusability and maintainability.

## Manual & Functional Testing

- Reported **193 defects in Healthcare** and **287 defects in E-commerce** systems through manual and automation execution.
- Performed multiple testing types including Functional, Regression, Smoke, Integration, UAT, Sanity, and Mobile testing.
- Actively participated in agile ceremonies (Daily Standups, Sprint Planning, and Retrospective).

## API Testing

- Performed API validation using **Postman**, checking status codes, response structures, response time and JSON schema.
  - Executed CRUD operations for REST APIs and logged failures and improvements in **Jira**.
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# PROJECTS

## Project 2: E-Commerce Platform (Web + Mobile)

*May 2023 – July 2025* - Tested and automated web and mobile user flows including **checkout, payments, and product management**. - Worked on a professional education service application platform ensuring data accuracy and UI functionality. Using **OOPs concepts (Inheritance, Abstraction, Encapsulation, and Polymorphism)**. - Automated **200+ test cases** and executed API tests for data validation.

## Project 1: Healthcare Messaging Platform (Web + Mobile)

*April 2022 – May 2023* - Automation of **150+ test cases** for a healthcare communication and notification system. - Enabled continuous test execution via **GitHub Actions**, improving reporting efficiency. - Conducted end-to-end validations for message delivery, tracking, and system reliability.

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# EDUCATION

**\*\*Bachelor of Engineering \*\*** East West Institute of Technology, Bengaluru | 2018 - 2021

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# CERTIFICATIONS

Software Testing Certification — QSpiders

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