{SNK} SHANKARANARAYANAN K

Automation Engineer | Java & Playwright | Scalable Test Framework Developer

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ABOUT

Passionate **Automation Test Engineer** with **2+ years** of hands-on experience in **enterprise web** and **data application testing**. Specialized in building scalable automation frameworks using **Java** (**Selenium**, **TestNG**, and **Cucumber**) and **Playwright**, with strong expertise in **ETL** and **SQL-based** data validation. Adept at transforming complex business requirements into reliable end-to-end **test solutions** within **Agile environments**.

PROFESSIONAL EXPERIENCE

Test Engineer - Tata Consultancy Services (**TCS**) - **2023 - Present**

Enterprise Manufacturing Management System

Client: Novelis Inc.

Domain: Sustainable Aluminium Manufacturing

Project Overview:

An **Enterprise application** used for **managing production workflows**, **inventory tracking**, **sustainability metrics**, and **supply chain operations** across global manufacturing units.

- Performed **requirement analysis** and created detailed **test scenarios** and **test cases**.
- Automated critical **business workflows** using **Selenium (Java + TestNG + Cucumber**).
- Developed **Playwright automation scripts** for **UI validation** and **cross-browser testing**.
- Designed **reusable test utilities** and **helper classes** for **framework efficiency**.
- Conducted **ETL validation** by verifying data transformation logic in **Informatica mappings**.

CORE COMPETENCIES

Automation Testing

- ❖ **Selenium WebDriver** (Java)
- ❖ **Cucumber** (BDD Framework)
- ❖ **TestNG Framework**
- ❖ **Playwright** (JavaScript)
- ❖ **Data-Driven Testing** (DDT)
- ❖ **Cross-browser Testing**

Manual & Functional Testing

- ❖ **Test Plan** & **Test Case Design**
- ❖ **Smoke** & **Sanity Testing**
- ❖ **UI** & **E2E Testing**
- ❖ **Regression Testing**

Tools

❖ Selenium	❖ Playwright
❖ Jira	❖ qTest
❖ Git	❖ Word, Excel
❖ Informatica	❖ SQL

EDUCATION

B.E. – **Mechanical Engineering**

K.Ramakrishna College of Engineering – **8.68** (2019-2023)

CONTACT

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