

# Sunil Kumar Reddy Kalluru

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<https://github.com/Sunil-Kumar-Reddy-K/Resume>

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## Career Objective

As a seasoned QA Automation Engineer with over 6 years of hands-on experience across diverse industries such as healthcare, insurance, eCommerce, and automotive, I am dedicated to driving quality in software development through robust automation strategies. My expertise spans across advanced testing frameworks like Playwright, Selenium, and API automation with Rest-assured. I thrive in collaborative, agile environments where innovation and continuous improvement are at the forefront, and I'm eager to contribute my skills in enhancing automation frameworks and ensuring seamless software delivery. My goal is to leverage my technical strengths in automation, API testing, and CI/CD pipelines to drive efficiency and reliability in QA processes, while constantly expanding my skill set in emerging technologies.

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## Professional Summary

- Around **6 years** of experience in **automation** and **manual testing**, delivering high-quality results in the **health care, education, insurance, automotive** and **eCommerce** industries.
- Strong hands-on experience in **Playwright** (TypeScript, JavaScript, and Java) and **Playwright API** testing.
- Capable of leveraging **Selenium**(Java) WebDriver and **TestNG** to streamline and automate testing processes.
- Extensive experience with API testing using **Rest-assured**, **Postman**, and **OVH\_Venom** (YAML script).
- Basic knowledge and experience with **Gatling**(Java) for **load** and **performance testing**, along with Maven for managing the project's build
- Working knowledge of **CI/CD** tools like **Jenkins**, **GitHub Actions** and external integration like **Sauce-labs** and **Lambda-Test** for cross-browser and platform script execution.
- Skilled in implementing the Cucumber **BDD** framework with **POM** model from scratch.
- Proficient in **GraphQL**, with experience in performing queries and mutations.
- Knowledge in **AWS**, containerization (**Docker**), and Linux environments, as well as **Protractor** (JavaScript), and familiar with **Python**.
- Proficient in using **Jira** for managing projects and workflows, and **Xray**, **Zephyr** for test management and reporting.
- Skilled in **Agile** methodologies, including **Scrum**, for effective collaboration and delivery of high-quality software products.
- Experienced in preparing **QA signoff documents** to formally close testing phases and certify the quality of software products.
- Adept at executing test cases, recording results, and documenting defects and inconsistencies

in software program functions and outputs.

- Expertise in finding the impact area, preparing regression suites, analysing automation reports, and fixing failed scripts.
- Strong communication skills and experience in collaborating with developers, business teams, and management to understand project requirements and design specifications.
- Demonstrated ability to coordinate with on-site teams to update automation processes and results.

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## Technical Skills:

- **Automation Testing Tools:** Playwright, Selenium
- **Performance/Load testing Tool:** Gatling
- **Languages:** JavaScript, TypeScript, Java, YAML
- **API Testing Tools:** Rest-assured, Postman, Playwright, Venom
- **Frameworks:** Page Object Model (POM), Hybrid Framework, TestNG, Cucumber
- **CI/CD Tools:** Jenkins, GitHub Actions
- **Test Management Tools:** Jira, Zephyr, Xray
- **Database:** MySQL (Basic)

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## Employment History:

- **Sr.QA Engineer** at Trigent Software Pvt Ltd since June 2023.
- **QA Engineer** at Adeptpros IT Solutions Pvt Ltd from June 2021 to May 2023.
- **QA Engineer** at SHAP Pvt Ltd from February 2019 to May 2021.

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## Education:

- Bachelor of Technology in Mechanical, SRIT Engineering College, Graduated in 2016, Anantapur – Andhra Pradesh
- Intermediate in “M.P.C.” at Narayana Junior College – Anantapur

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## Project History:

### 1. Socotra (April 24 to Present)

- **Client:** Socotra: Insurance Platform {Trigent -Payroll company}
- **Software Technologies:** Playwright, Java, Jira, GitHub, Postman, Jenkins, OVH\_Venom (YAML script)

### Description:

Socotra is focused on delivering agility to the trillion-dollar global insurance industry. Socotra works with global insurers to modernize their technology, making it easier for them to focus on creating innovative products to grow their business. Serving one of the world's largest and most technologically neglected industries, Socotra's mission is to provide insurers with a modern, enterprise-

grade core system that enables them to rapidly develop and distribute products that better serve their customers

### **Roles & Responsibilities:**

- Gaining a deep understanding of the functionality flow for various automation tasks using Playwright and Java, focusing on enhancing test coverage and efficiency.
- Utilized OVS Venom for API automation, creating robust scripts that automated the API testing process. This involved integrating Venom scripts with existing workflows for seamless automation.
- Employed Postman for manual validation of APIs, conducting thorough testing to verify the correctness of API responses. This included handling edge cases and ensuring compliance with the expected output.
- Leveraged Jenkins for Continuous Integration and Continuous Deployment (CI/CD), setting up pipelines that automated the build, test, and deployment processes. This ensured that any changes made to the codebase were continuously tested and deployed without manual intervention.
- Created detailed manual test cases for APIs, which improved the foundation for automation and streamlined future testing process. These test cases were reviewed, approved, and used as a benchmark for automated testing efforts.

## **2. Tempus-LIMS (June 23 to March 24)**

- **Client:** *Tempus Ai-enabled precision medicine {Trigent -Payroll company}*
- **Development Technology Used:** *React JS, MongoDB, AWS*
- **Software Technologies:** *Playwright, JavaScript, Typescript, Jira, GitHub, Postman, Zephyr scale, Concourse CI*

### **Description:**

A Laboratory Information Management System (LIMS) is software designed to automate data processing operations within a laboratory and facilitate its integration with other systems involved in data exchange. Some key features of a LIMS

**Sample Management:** Efficient tracking and management of samples throughout the testing process, from receipt to disposal.

**Data Entry:** Secure and accurate recording of laboratory data, including patient information, test results, and annotations.

**Analysis Workflows:** Automation and standardization of laboratory analysis procedures for consistent and reliable results.

**Reporting:** Generation of comprehensive reports summarizing laboratory findings and facilitating data analysis.

**Integration:** Seamless integration with other Tempus AI platforms and external systems for centralized data management.

### **Roles & Responsibilities:**

- Comprehended the functionality flow for different types of samples including tumor, normal, DNA, and RNA samples.
- Wrote manual test cases based on the functionality flow. These test cases were then reviewed and approved by the relevant authorities.
- Automated the flows using Playwright after approval of the manual test cases. This involved writing scripts that could automatically test the various functionalities of the LIMS module.
- Raised a Pull Request (PR) for the code to be reviewed once the automated tests were written. If the Concourse CI build was green, the code was reviewed and comments were provided. Addressed these comments and made necessary modifications to the code.
- Ensured that the Concourse CI build was green again after addressing the comments and re-raising the PR. Once at least two reviewers were satisfied with the code changes, the code was merged to the master branch.
- Worked with Concourse CI for continuous integration, ensuring that every change to the codebase was tested and did not break the existing functionalities.

### **3. Woodcock Johnson-V: Riverside Insights (Jan 22 to May 23)**

- **Client:** *Riverside Insights: Education Domain {Adeptpros -Payroll company}*
- **Development Technology Used:** *React JS, MySQL, Asp.net, AWS*
- **Software Technologies:** *Playwright, Protractor, Selenium, Java, JavaScript, Typescript, Jira, X-Ray*

### **Description:**

The project aims to develop a web-based Riverside Scoring System to help students achieve various developmental skills with various assessments right from grade kindergarten to adult. It involves the participation of both examinee & examiners & consists of various test assessments like Letter Pattern Matching, Paragraph Reading, Letter Writing, Number Series, Oral Reading, Picture Vocabulary, Sentence Reading & Writing, and Understanding Directions to name a few. It provides students' performance at the end of their of the student's assessments.

### **Roles & Responsibilities:**

- Tested various assessments with different Logic Maps Like Basal & Ceiling and various Grades and SSP's.
- Verified assessments which include timers, videos, audio & pictures.
- Identifying areas of the application suitable for automation testing, followed by designing and implementing automated test cases and scripts.
- Reviewing requirements and specifications to ensure that test cases are comprehensive and cover all relevant functionality.
- Participating in code reviews and helping to ensure that the codebase is maintainable and easy to test.
- Collaborating with development and QA teams to ensure that the software meets quality standards.

- Provide knowledge transfer to new team members, including orientation to the project, processes, and tools being used.

#### 4. ESN Sports (Jun 21 to Dec 22)

- **Client:** *ESN Sports: eCommerce for Health Drinks and Supplements* {Adeptpros -Payroll company}
- **Software Technologies:** *Playwright, Typescript, Jira, X-Ray, GitHub*

##### Description:

ESN Sports is a leading eCommerce platform in Germany, specializing in health drinks and supplements. The project focuses on integrating seamless automation within the Shopify platform, improving the eCommerce experience through optimized testing frameworks. By leveraging the latest automation technologies, the goal is to ensure smooth and efficient workflows, providing an enhanced shopping experience for users.

##### Roles & Responsibilities:

- Developed and maintained an end-to-end test automation framework using Playwright with TypeScript, targeting critical functionalities of the Shopify-based eCommerce platform.
- Automated TOTP (Time-based One-Time Password) scenarios using NPM libraries for secure customer authentication during login and transactions.
- Verified order placement flow by cross-referencing Shopify APIs to ensure order data accuracy and consistency in the backend.
- Wrote and executed both manual and automated test cases using Zephyr scale to cover all functional and non-functional testing requirements.

#### 5. SHAP Part Management System ( Jan 19 to May 21)

##### Description:

The Parts Management System enabled dealerships to raise part requests through the portal. The request was then automatically forwarded to the production department, which produced the part according to the specifications provided. After production, the part was sent to the Paint Shop for finishing, followed by quality checks to ensure that it met the required standards. Finally, the part was shipped to the dealership, and payments were tracked through the portal.

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#### Contact Information

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