

CHANDRU S

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Innovative and results-driven Senior Software Engineer with 3 years of experience in automation testing, quality engineering, and database management. Proficient in designing robust test frameworks, executing functional, API, and database testing, and ensuring application stability and performance. Expertise in Selenium, REST API, SQL with a proven track record of streamlining QA processes and delivering high-quality solutions for complex enterprise applications.

PROFESSIONAL EXPERIENCE

VALUELABS

MARCH 2022 – Present

Senior Software Engineer

- Automated functional and end-to-end testing for enterprise applications using Python Playwright and Selenium.
- Designed and converted automation scripts from Java Selenium to Python Playwright, enhancing script efficiency and maintainability.
- Developed automation scripts to reset firewall objects and generate zero-byte memory usage reports using Python and Playwright.
- Collaborated with cross-functional teams across geographic locations to streamline testing processes, integrate CI/CD workflows (Maven), and analyze logs for root cause identification.
- Created SQL queries and PL/SQL scripts to validate business logic across relational databases.
- Investigated and implemented new testing methodologies to optimize quality assurance processes.

VALUELABS

DEC 2021 – 2022

Software Developer Intern

- Designed and implemented automation frameworks using Playwright, reducing test execution time by 40%.
- Automated repetitive test scenarios and reported detailed results for effective defect resolution.
- Developed and maintained SQL queries to extract and analyze large datasets for testing purposes.

EDUCATION

Karpagam College of engineering Coimbatore

2022

B Tech- Information Technology, GPA 8.5

Sri Vijay Vidyalaya boys Hr.Sec School,Dharmapuri

2018

Maths-Biology, 92%

PROJECT & USECASE

Skiyodl –End to End Automation Testing

- Conducted functional and end-to-end testing for Skiyodl's ski trip management system using Python Playwright & Selenium.
- Delivered a comprehensive automation framework, reducing test execution time by 40%.

Firewall Policy Automation

- Automated login and retrieval of firewall policy data, filtering zero-byte policies, and exporting results in CSV format.
- Improved operational efficiency through automation.

ETL Process Development for Tag Worldwide

- Built ETL pipelines for data integration and visualization within DOMO.
- Optimized SQL procedures, achieving a 30% reduction in data processing time.

SKILLS & OTHER

- **Testing & Automation Tools:** Selenium, Playwright
- **Programming Languages:** Python, Java, JavaScript
- **Database Management:** SQL, PL/SQL, MS SQL Server, MySQL, Snowflake
- **CI/CD & Version Control:** Git
- **Scripting:** Python
- **Methodologies:** Agile/Scrum
- **Other Expertise:** API testing, ETL processes, log analysis, performance tuning

CERTIFICATIONS

- C programming,SQL Advanced certification - Hacker Rank Online Platform.
- Wipro Java J2EE Talent Next Certification -I completed JAVA J2EE certification in Wipro Talent Next
- Tableau □ Python □ PostgreSQL □ Excel □MySQL □Playwright Testing I completed above certifications in Udemy online Platform.
- **Agentic AI / Gen AI:** Skilled in using Agentic AI and Generative AI tools to **quickly achieve automation** by auto-generating test scenarios, **fetching and validating locators dynamically**, and enabling intelligent self-healing of scripts for robust and maintainable test automation.