

BANDEWAR SHIVA KRISHNA

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PROFESSIONAL SUMMARY

Software Development Engineer in Test (SDET) with 4+ years of experience in **web and API** test automation, quality engineering, and **CI/CD**-driven testing. Experienced in developing and maintaining automated test suites using **Selenium** WebDriver, **REST Assured**, and Java, with a proven track record of improving test coverage and reducing regression execution time through parallel execution strategies. Skilled in test framework enhancement, backend validation, **Jenkins pipeline** integration, and database testing across property booking and airline reservation platforms

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, SQL
 - **Test Automation:** Selenium WebDriver, Playwright, REST Assured
 - **Test Framework:** TestNG, Cucumber (BDD)
 - **API Testing:** REST Assured, Postman, Swagger.
 - **Framework Design:** Page Object Model (POM), Data-Driven Testing, BDD Framework
 - **CI/CD & Build:** Jenkins, GitHub Actions, Maven.
 - **Version Control:** Git, GitHub, Bitbucket.
 - **Databases:** MySQL, Oracle Database
 - **Methodologies:** Agile Scrum, SDLC, STLC, Defect Lifecycle
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PROFESSIONAL EXPERIENCE

N.V Data Systems | Automation Test Engineer *Feb 2025 – Present*

- Increased automated test coverage by 40% by developing automation solutions for critical business workflows.
- Reduced regression execution time by 60% by implementing parallel test execution strategies.
- Integrated automated test suites with Jenkins-based CI/CD pipelines, enabling continuous validation and faster defect detection.
- Automated backend validation processes, reducing manual verification effort by 60% and improving testing efficiency.
- Performed database validation and backend testing using SQL queries to ensure data accuracy across business-critical workflows.
- Collaborated with developers and QA teams to improve framework maintainability, release quality, and sprint delivery outcomes.
- Environment: Java, Selenium WebDriver, TestNG, Jenkins, Maven, SQL, Git

Salzer Technologies | Automation Engineer *July 2022 – Jan 2025*

- Automated 120+ manual test cases, improving regression efficiency and execution consistency.
 - Identified, documented, and validated over 100 critical defects, contributing to improved application stability before production releases.
 - Developed REST Assured API test scripts to validate backend services and business workflows.
 - Streamlined database validation processes and query execution, improving data integrity across business-critical transactions.
 - Developed reusable automation utilities and modular test components, reducing maintenance effort by 30%.
 - Configured Jenkins jobs and automated execution workflows to support continuous testing initiatives.
 - Environment: Java, Selenium WebDriver, REST Assured, TestNG, Postman, Jenkins, Oracle, Git
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PROJECTS

Open-Source Automation Framework

- Developed a scalable end-to-end test automation framework using Playwright and JavaScript.
 - Implemented Page Object Model (POM) architecture to improve maintainability and reusability.
 - Integrated automated reporting and logging for test execution visibility.
 - Enabled cross-browser execution and scalable test execution workflows.
 - Structured the framework for easy CI/CD integration and future scalability.
 - Technology Stack: Playwright, JavaScript, GitHub, Page Object Model
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EDUCATION

- **Bachelor of Science (Biotechnology)** | Osmania University