**Prashanthi Eppa**  
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**Professional Summary**

Results-driven Automation and Manual QA Engineer with 7+ years of experience across healthcare, clinical research, and IT domains. Expertise in Test Plan Design, Automation Test Design, API Testing, and Performance Testing. Skilled in Selenium WebDriver, Cypress, Appium, Postman, REST Assured, and Apache JMeter. Delivered 30% faster releases through Automation Framework Development using Java, Python, TestNG, and Maven. Proficient in SQL Data Validation (MS SQL Server, Oracle, MySQL), Agile/Scrum environments, and defect tracking with Jira and Zephyr. Known for boosting automation coverage by 50%, accelerating API testing by 25%, and ensuring 95%+ test execution success rates.

**Technical Skills**

* **Testing Expertise:** Test Plan Design, Test Case Design, Functional Testing, Systems Testing, Integration Testing, Regression Testing, Performance Testing, API Testing, Smoke Testing, Compliance Testing
* **Automation Tools:** Selenium WebDriver, Cypress, Appium
* **API Testing Tools:** Postman, REST Assured
* **Performance Testing:** Apache JMeter
* **Programming/Scripting Languages:** Java, Python
* **Frameworks:** Page Object Model (POM), BDD with Cucumber, TestNG, Maven
* **CI/CD and Version Control:** Jenkins, GitHub
* **Databases/SQL:** MS SQL Server, Oracle, MySQL
* **Cloud Testing Platforms:** BrowserStack, Sauce Labs
* **Reporting Tools:** Allure Reports, ExtentReports
* **Defect Tracking and Test Management:** Jira, Zephyr
* **Methodologies:** Agile, Scrum, SDLC

**Professional Experience**

**Software Test Engineer – I**  
**Signant Health, Hyderabad, India Nov 2021 – Aug 2022**

* Designed and executed 300+ Test Cases based on detailed Functional Requirement Analysis for clinical trial applications.
* Developed Automation Test Scripts using Selenium WebDriver, Java, TestNG, and Maven, improving regression test coverage by 35%.
* Automated 60% of the functional and regression tests, reducing manual testing efforts by 40%.
* Conducted 100+ API tests using Postman and REST Assured, increasing API test coverage by 25%.
* Integrated automation scripts with Jenkins and GitHub, achieving a 20% improvement in build cycle efficiency.
* Validated 1M+ database records using SQL queries in MS SQL Server and Oracle.
* Reduced critical defect leakage into production by 30% through proactive Root Cause Analysis and Troubleshooting.
* Delivered sprint demos to clients every two weeks, maintaining a 95% client satisfaction rate.
* Logged, managed, and closed 200+ defects in Jira/Zephyr across multiple Agile sprints.
* Executed 50+ cross-browser and mobile device tests via BrowserStack and Sauce Labs

**Associate Software Test Engineer**  
**MakroCare Clinical & Research Pvt Ltd, Hyderabad, India Oct 2018 – Nov 2021**

* Designed Test Plans for 10+ enterprise healthcare projects covering Functional, Regression, and Performance Testing.
* Automated 45% of test cases across web and backend validation using Selenium WebDriver and TestNG.
* Conducted 200+ API tests across multiple microservices using Postman.
* Executed 30+ Performance Testing cycles with Apache JMeter, ensuring scalability for up to 5,000 concurrent users.
* Validated 5M+ rows of healthcare data using complex SQL queries in MS SQL Server and Oracle.
* Reduced manual testing cycles by 35% by implementing API Automation frameworks.
* Logged and tracked 350+ defects across projects with Jira and Zephyr, improving early defect detection by 20%.
* Participated in 8+ Agile sprint cycles, contributing to a 15% improvement in sprint velocity.
* Conducted cross-browser testing across 10+ environments using BrowserStack and Sauce Labs.

**Automation Test Engineer**  
**Brainware Infotech Pvt Ltd, Hyderabad, India Dec 2015 – Aug 2018**

* Led Automation Framework Development for 5 major clients using Selenium WebDriver, Cypress, and Appium.
* Increased overall test automation coverage from 30% to 80% across web and mobile platforms.
* Developed and maintained 500+ automated scripts using POM, BDD with Cucumber, Java, and Maven.
* Performed API Automation for 15+ APIs using Postman and REST Assured, reducing manual API validation efforts by 50%.
* Built and maintained Jenkins CI/CD pipelines, reducing build and deployment times by 25%.
* Conducted Performance Testing using Apache JMeter, validating systems to handle 10,000+ concurrent users.
* Led SQL Data Validation projects, verifying data accuracy for databases exceeding 20M+ records.
* Managed 400+ defects through Jira and Zephyr, maintaining a 90% on-time defect resolution rate.
* Delivered weekly dashboards with Allure Reports and ExtentReports for senior management visibility.
* Performed cloud-based cross-browser testing on 50+ device-browser combinations using BrowserStack and Sauce Labs.

**Education**

**Master of Science in Computer Science**  
Oklahoma City University, Oklahoma City, OK, USA   
Relevant Coursework*:* Software Engineering, Database Design, Cloud Development, Web Development

**Bachelor of Technology in Information Technology**  
Raja Mahendra College of Engineering, Hyderabad, India | May 2014

**Certifications**

* Software Testing Tools Certification – Live Tech Hyderabad
* Java Programming Certification – TalentSprint
* AWS Certified Solutions Architect-Associate

**Achievements**

* "Best Employee" Award – MakroCare Clinical Research (2019)
* Ranked First – B.Tech Semester Examinations
* Technical Paper Presentation – RMCE National Fest, Hyderabad
* Volunteer – Suicide Prevention Awareness Program, Hyderabad (2019)