

# Sai Venkata Shreyas Bandaru

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## Profile Summary

Experienced QA Engineer, Software Tester, Quality Assurance Analyst with 5+ years of expertise in manual and automated testing, ensuring high-quality software delivery. Proficient in Selenium, Cypress, Playwright, JUnit, TestNG, Appium, Postman, and JIRA, with strong skills in functional, regression, API, performance, and security testing across Agile and DevOps environments. Adept at test automation using Java, Python, JavaScript, and Cucumber BDD, integrating with CI/CD pipelines (Jenkins, Azure DevOps, Docker, Kubernetes, AWS) for seamless deployments. Experienced in test planning, defect tracking, and risk-based testing to enhance software reliability.

## Technical Skills

- **Testing & QA Methodologies:** Manual & Automation Testing, Functional & Regression Testing, System Integration Testing (SIT), UAT, Smoke & Sanity Testing, Cross-Browser & Cross-Platform Testing, Accessibility Testing (ADA Compliance), Risk-Based & Exploratory Testing
- **Test Automation & Frameworks:** Selenium WebDriver, Cypress, Playwright, Appium, JUnit, Pytest, TestNG, Cucumber BDD, Robot Framework, Karate, Tosca, WebDriverIO, Katalon Studio, Protractor
- **API, Performance & Security Testing:** Postman, REST Assured, SOAP UI, GraphQL Testing, JMeter, LoadRunner, Gatling, BlazeMeter, OWASP ZAP, Burp Suite, DAST/SAST, Penetration Testing, Security Compliance (ISO, GDPR, HIPAA, PCI-DSS, SOC)
- **Programming, Scripting & Databases:** Java, Python, JavaScript, TypeScript, C#, Shell Scripting, Ruby, Groovy, PowerShell, SQL, NoSQL (MongoDB, Redis), ETL & Data Warehouse Testing
- **CI/CD, DevOps & Cloud Testing:** Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps, AWS CodePipeline, Docker, Kubernetes, Terraform, Microservices Testing, Service Virtualization, AWS, Azure, Google Cloud, Lambda Testing, BrowserStack, Sauce Labs
- **Test Management & Agile Methodologies:** JIRA, TestRail, ALM, Zephyr, Xray, Rally, qTest, Agile (Scrum, Kanban), Shift-Left & Shift-Right Testing, Continuous Testing, TDD, BDD, Test Case Design, Data Visualization

## Professional Experience

### QA Automation Engineer, Uber

Jan 2025 - Present | Remote, USA

- Championed the design and execution of comprehensive QA strategies within Agile/Scrum environments, integrating manual and automated testing to accelerate software delivery pipelines.
- Maintained test automation frameworks using Selenium WebDriver, TestNG, and Appium, leading to a 40% reduction in regression testing time and faster release cycles across web, mobile (iOS/Android), and API layers.
- Created scalable test plans, test cases, and test data using tools like Perfecto, Sauce Labs, and Postman, ensuring consistent cross-platform performance and end-user satisfaction.
- Led end-to-end testing efforts including functional, regression, integration, system, UAT, smoke, sanity, and cross-browser testing, resulting in improved software reliability and product quality.
- Executed comprehensive API testing and validation using Postman and RESTful web services to ensure backend service integrity and interoperability.
- Streamlined defect tracking and resolution through JIRA, enhancing collaboration with developers, product owners, and UX teams to reduce production issues and improve defect resolution time.
- Authored and maintained detailed QA documentation including test cases, traceability matrices, automation scripts, and quality reports, ensuring compliance, traceability, and audit readiness.

### Volunteer QA Engineer Community Dream Foundation (NGO)

Oct 2024 – Dec 2024 | CA, USA

- Collaborated directly with stakeholders to gather business requirements and convert them into test scenarios.
- Worked closely with PMs and UX leads to define sprint goals, break down user stories, and plan QA activities.
- Conducted thorough manual testing (functional, smoke, regression) for both web and mobile applications.
- Tracked bugs via Jira, maintained test cases in TestRail, and ensured test coverage aligned with specifications.

### Education QA Engineer (Student Research), California State University

Feb 2023 - Jul 2024 | Northridge, USA

- Designed and executed comprehensive test plans and detailed test cases to ensure thorough coverage of system functionality, business requirements, and edge cases across web and mobile applications (Windows, macOS, iOS, Android).
- Conducted functional, regression, integration, and system testing, leveraging tools like JIRA, Bugzilla, and TestRail for defect tracking and test management, ensuring timely identification and resolution of issues.
- Performed cross-browser and cross-device testing (Chrome, Firefox, Edge, Safari) to validate UI/UX consistency and system behavior across multiple environments.
- Validated API functionality and backend processes using Postman and SQL queries, ensuring data integrity, proper request handling, and seamless integration with databases and microservices.
- Led User Acceptance Testing (UAT) with business stakeholders, conducted exploratory testing to uncover usability gaps, and ensured compliance with security best practices by testing for vulnerabilities like unauthorized access and data leakage.

- Collaborated with developers, product managers, and DevOps teams in an Agile/Scrum environment, optimizing test execution, maintaining test environments, and ensuring high-quality releases through CI/CD integration.

Manual Tester, Ortler Solution Pvt Ltd

Jul 2019 - Jul 2022 | Telangana, India

- Executed comprehensive manual testing strategies, including functional, integration, regression, and system testing across web and mobile platforms, ensuring adherence to business and technical requirements.
- Partnered with cross-functional teams—product owners, developers, and business analysts—to review user stories, clarify acceptance criteria, and define robust test scenarios within Agile-Scrum environments.
- Authored and maintained detailed test cases, test plans, and test data to support iterative releases, improving test coverage and minimizing post-release defects.
- Led defect lifecycle management using tools such as JIRA, Bugzilla, and HP ALM, conducting root cause analysis and ensuring resolution within defined SLAs to enhance product stability.
- Performed cross-browser, cross-device, and responsive testing manually to validate UI consistency and usability across Chrome, Firefox, Safari, Edge, and mobile devices (Android/iOS).
- Conducted backend validation using advanced SQL queries in MySQL and PostgreSQL to ensure data consistency, integrity, and accurate business logic processing during end-to-end testing.
- Participated actively in Agile ceremonies including sprint planning, backlog grooming, and retrospectives, contributing to continuous quality improvement and faster delivery cycles.
- Created detailed test summary reports and QA sign-off documentation, facilitating transparent communication of test results and release readiness to stakeholders.

Education

Master of Science, California State University

Aug 2022 – Aug 2024 | CA, USA

Software Engineering

Bachelor of Technology, Vardhaman College of Engineering

Aug 2015 – Jun 2019 | Hyderabad, India

Computer Science

Certification

- |   |   |
|---|---|
| • ISTQB Certified Tester Foundation Level (CTFL) - 2024 | • Java Testing Specialization   |
| • Mobile Testing with Appium                            | • Microsoft Technology Associate: Software Development Fundamentals (MTA) |
| • Selenium Automation and Testing Frameworks            | • Microsoft Office Specialist Master Certification (MOS)                  |
| • TDD Using Python unittest                             |   |

Projects

Automatic Quiz Generation

Feb 2024 – May 2024

- Uses NLP and machine learning techniques to extract key topics and generate relevant questions dynamically.
- Supports multiple questions formats, including multiple-choice, fill-in-the-blanks, and true/false, improving automated assessment efficiency.

Online Book Store

Sep 2023 – Dec 2023

- Features a user-friendly e-commerce platform with functionalities like book search, recommendation engine, shopping cart, and secure payments.
- Implements authentication and role-based access control for customers and administrators, ensuring a secure transaction environment.

Facial Recognition Security Systems

Sep 2022 – Dec 2022

- Utilizes deep learning-based facial recognition models to authenticate users and grant access securely.
- Enhances security by integrating real-time image processing and database matching for accurate identification.

Research Paper

**Text Summarization for weather forecasting using Machine learning:** Developed a robust framework for summarizing complex meteorological data using advanced machine learning models, specifically Long Short-Term Memory (LSTM) and Transformer architectures. The research involved collecting and preprocessing high-frequency weather data, training the neural models to capture both short-term and long-term patterns, and evaluating their effectiveness in accurately summarizing weather conditions. The aim was to enhance the accessibility and usability of weather forecasts, providing more comprehensible summaries to aid decision-making in sectors like agriculture, transportation, and disaster management.