

MIRTUNJAY PRASAD

Senior SDET | Automation Modernization | AI Quality Engineering

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PROFESSIONAL SUMMARY

Senior Software Development Engineer in Test (SDET) with 20+ years of experience delivering test automation, quality engineering, and enterprise application validation across Salesforce and financial software environments. Strong background in framework architecture, automation modernization using Playwright, Cypress, and Selenium, API and UI automation, CI/CD integration, SQL and data validation, and release quality leadership. Proven ability to improve test efficiency, strengthen release confidence, and partner effectively with engineering, product, and business stakeholders in fast-paced Agile environments. Recognized for building scalable automation frameworks, modernizing QA practices, and supporting mission-critical enterprise releases with strong reliability and business impact.

KEY ACHIEVEMENTS

- Architected scalable automation frameworks that reduced manual testing effort by 60%+ and accelerated release cycles by 50%.
- Led automation across UI, API, and integration layers using Playwright, Selenium WebDriver, Cypress, WebdriverIO, REST Assured, and Cucumber BDD.
- Supported mission-critical Salesforce enterprise and event-platform releases with zero production defects and 100% uptime across 20+ major releases.
- Integrated automated testing into Jenkins and GitHub Actions pipelines to improve continuous testing, release readiness, and faster feedback loops.
- Drove an estimated \$500K+ in annual savings through automation, improved test efficiency, and reduced regression overhead.

CORE COMPETENCIES

Test Automation Engineering • Framework Architecture & Modernization • Playwright / Cypress / Selenium • API, UI & Integration Testing • Salesforce Quality Engineering • CI/CD & Continuous Testing • Database & Data Validation • Release Management & Quality Gates • Agile Delivery & Cross-Functional Leadership • Test Strategy, Risk Management & Quality Improvement

SKILLS

Automation: Playwright, Cypress, Selenium WebDriver, WebdriverIO, Cucumber BDD, TestNG, JUnit

Languages: Java, TypeScript, JavaScript ES6+, SQL

API & Backend: REST Assured, Postman, GraphQL Testing, SOAP API Testing, REST API Testing, Microservices Testing

CI/CD & Tools: Jenkins, GitHub Actions, Maven, Git, JIRA, Confluence, Allure Reports, ExtentReports, SonarQube, TestRail

Platforms: Salesforce Testing, Salesforce Data Cloud, Apex, Apex Testing, Lightning Web Components (LWC), Service Cloud, Sales Cloud

Additional: Page Object Model, Gherkin, Database Testing, Regression Testing, Functional Testing, Integration Testing, UAT, Cross-Browser Testing, Performance Testing, JMeter, K6, Agile, Scrum, Technical Mentoring

PROFESSIONAL EXPERIENCE

Moody's Corporation

Dallas, TX

Senior Software Engineer in Test (SDET)

April 2025 - Present

Tech: Cypress, TypeScript, API Testing, Financial Software

- Partner with product managers, business analysts, and engineering teams to translate complex financial software requirements into comprehensive test strategies, test cases, and automated validation for new and existing features.
- Design, develop, and maintain robust automated test suites using Cypress and TypeScript, improving regression coverage, reusability, and maintainability across evolving product releases.
- Expand UI, API, functional, integration, and regression coverage to strengthen end-to-end quality validation and improve release confidence across critical business workflows.
- Analyze test results, defects, and failure patterns to provide actionable root-cause insights that help accelerate issue resolution and reduce release risk.
- Deliver quality metrics, execution updates, and test reporting to stakeholders, highlighting quality trends, release readiness, and automation impact.
- Demonstrate newly automated capabilities and testing improvements to stakeholders, showing coverage gains, productivity improvements, and ROI across the QA process and SDLC.
- Drive continuous improvement through QA best practices, stronger automation design, and improved testing standards that enhance team productivity and software quality.

Salesforce

Dallas, TX

Senior Software Engineer (SDET)

April 2019 - April 2025

Tech: Selenium WebDriver, REST Assured, Cucumber BDD, Maven, TestNG, Jenkins, Playwright, Java, SQL, GraphQL

- Designed and developed scalable UI and API automation frameworks from scratch using Selenium WebDriver, REST Assured, TestNG, Cucumber BDD, Maven, and Java, integrated into Jenkins-based CI/CD pipelines to improve regression reliability and release efficiency.
- Led quality engineering for mission-critical Salesforce enterprise applications, covering UI automation, API testing, functional validation, integration testing, and release readiness across large-scale business workflows.
- Built REST, SOAP, and GraphQL automation coverage to validate system behavior, service integrations, and data flow across microservices and Salesforce-connected platforms.
- Applied advanced SQL and backend data validation to verify data integrity, support test data management, and reduce delivery risk during complex enterprise and integration changes.
- Introduced Playwright-based automation modernization to improve end-to-end coverage, cross-browser reliability, and framework adaptability as application experiences evolved.
- Supported major Salesforce and event-platform releases, including Dreamforce, TDX, World Tour, and Connections, delivering zero production defects and 100% uptime across 20+ major releases.

Cognizant Technology Solutions

Herndon, VA

Senior Associate

January 2010 - April 2019

Tech: Maven, Git, REST Assured, Jackson API

- Architected automation frameworks from scratch, reducing test cycle time by 50% through stronger design patterns and Maven-based execution.
- Built Git-based version control and merge practices to improve development-test coordination and support smoother release management.
- Implemented automated execution pipelines for daily, weekly, and per-build runs to increase regression efficiency, consistency, and testing throughput.

- Automated RESTful web services testing using REST Assured and Jackson API, validating XML and JSON payloads across service integrations.
- Led test strategy development for enterprise applications with focus on quality standards, compliance, and delivery risk.

Mindtree Limited

Bangalore, Karnataka

Senior Test Engineer

July 2006 - December 2009

- Led end-to-end test planning and execution for enterprise applications, improving coverage and defect detection across critical releases.
- Converted manual test cases into automated solutions to reduce regression effort and improve testing efficiency.
- Implemented process improvements and quality practices that strengthened testing consistency and overall system performance.
- Served as SME for order processing and payment workflows, supporting accurate end-to-end validation of complex business transactions.
- Executed functional, regression, and performance testing to improve system reliability and release readiness.

EDUCATION

Master of Business Administration (MBA), Information Technology

Symbiosis Institute of Computer Studies & Research

April 2009

Bachelor of Computer Applications (BCA)

Kristu Jayanti College

April 2006

CERTIFICATIONS

- Salesforce Certified AI Associate — Salesforce (Certified)
- ISTQB Foundation Level — Software Testing Certification (Certified)