

DIPAK KUMAR SINGH

SENIOR QA AUTOMATION ENGINEER | SALESFORCE/CPQ QA | API AUTOMATION | AI-ASSISTED TESTING

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SUMMARY

Senior QA Automation Engineer with 11+ years of experience in Manual, Automation, API, Salesforce CPQ, Oracle CPQ, Performance and AI-assisted testing.

EXPERIENCE

Senior QA Engineer Mar 2026 — Present
LSEG

- Developing end-to-end Windows UI automation using Python.
- Supporting automation execution and continuous quality initiatives.

Senior QA Engineer Sep 2024 — Mar 2026
GE Vernova

- Owned end-to-end QA for Oracle CPQ and Salesforce applications.
- Validated Quote-to-Cash workflows including product configuration, pricing, discounting, approvals and integrations.
- Designed functional, regression, integration and end-to-end test scenarios.
- Automated regression suites using AccelQ.
- Performed API testing and backend validation using SQL.
- Worked closely with Product Owners, Developers and Business Analysts in Agile teams.

Technical Test Lead Aug 2022 — Sep 2024
Infosys

- Designed and enhanced Selenium BDD automation frameworks.
- Used OpenAI, LangChain, Hugging Face and RAG for AI-assisted test case and script generation.
- Created prompt engineering solutions and AI-based QA accelerators.
- Mentored teams on automation best practices.

Senior Software Test Engineer Apr 2022 — Aug 2022
Epsilon

- Developed test plans, automation scripts and functional validation for enterprise web applications.

Software Test Engineer Dec 2021 — Apr 2022
Resideo Smart Home Technologies

- Executed Selenium, Postman and JMeter based automation and performance testing.

Software Test Engineer Feb 2019 — Dec 2021
Peppo Technologies

- Developed Selenium WebDriver automation suites and performed regression, integration and performance testing.

Software Test Engineer May 2017 — Feb 2019
Ninestars Information Technologies

- Performed end-to-end functional, regression and system testing.

Software Test Engineer Feb 2015 — Nov 2016
Aquilonis Technologies

- Prepared test scenarios, executed manual testing and managed defects.

EDUCATION

Bachelor of Engineering, Mechanical Engineering 2008 — 2012
Visvesvaraya Technological University (VTU)

TECHNICAL SKILLS

Selenium WebDriver	Playwright	Java
Python	JavaScript	BDD (Cucumber)
Cypress	Appium	AccelQ
UiPath	Karate	Postman
Rest Assured	Jest	GraphQL
SoapUI	SQL	PostgreSQL
MySQL	SQLite	Jenkins
Git	Bitbucket	Docker
Apache JMeter	Salesforce Sales Cloud	Service Cloud
Oracle CPQ	OpenAI APIs	Hugging Face
RAG	Prompt Engineering	

KEY ACHIEVEMENTS

- 🏆 **11+ years of QA experience across Manual, Automation, API and Salesforce testing.**
- 🏆 **Strong experience in Salesforce Sales Cloud, Service Cloud and Oracle CPQ.**
- 🏆 **Hands-on expertise in Selenium, Playwright, API automation, SQL validation and performance testing.**
- 🏆 **Experience leveraging AI/GenAI technologies to improve QA productivity.**

AUTOMATION FRAMEWORK EXPERTISE

- Designed a BDD automation framework from scratch using Selenium WebDriver, Java, Cucumber, TestNG and Maven.
- Maintained and enhanced multiple Selenium Java and Selenium Python BDD automation frameworks.
- Hands-on experience with Playwright for cross-browser end-to-end automation using JavaScript/TypeScript.
- Integrated automation with Jenkins CI/CD pipelines and Git.
- Implemented reusable Page Object Model, utilities and reporting.

API AUTOMATION & BACKEND VALIDATION

- Automated REST APIs using Karate, Postman, Jest and Rest Assured.
- Validated request/response payloads, authentication, business rules and error handling.
- Performed backend validation using SQL and PostgreSQL.