

Jaytun Kankotiya

Software Engineer In Test — QA Automation Engineer

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PROFESSIONAL SUMMARY

Software Engineer In Test with Master's degree in Electrical and Computer Engineering and Bachelor's in Electrical Engineering (Overall GPA: 3.5/4.0), bringing 1.5+ years of professional experience in test automation and quality assurance. Proficient in programming with Java, JavaScript, and Python for developing automated tests and test frameworks. Strong expertise in automating and optimizing testing of cloud-based applications deployed on scalable platforms including AWS. Experienced in contributing to automation test frameworks and automation architecture for multi-tenant cloud environments. Skilled in creating and improving testing documentation including test plans, test cases, and automation scripts. Proven ability to conduct QA tests, verify outcomes, and collaborate effectively within team settings. Knowledge of microservice architecture, unit test frameworks, and continuous integration/continuous deployment tools. Passionate about applying programming skills to enhance software quality and testing efficiency in fast-paced development environments.

TECHNICAL SKILLS

Programming Languages	Java (proficient), JavaScript (fluent), Python (fluent), TypeScript
Test Automation	Automated test development, test framework architecture, test optimization
Automation Tools	Selenium, common automation frameworks, BDD testing frameworks
Unit Testing Frameworks	JUnit, TestNG, Jest, Mocha, unit test development
Cloud Technologies	AWS (experienced), cloud-based application testing, scalable platforms
CI/CD Tools	Jenkins, continuous integration, continuous deployment pipelines
Architecture Knowledge	Microservice architecture, multi-tenant systems, cloud platforms
QA Practices	Test planning, test case creation, QA testing, outcome verification
Backend Development	Node.js, RESTful APIs, server-side programming
Databases	MongoDB, PostgreSQL, Redis, database testing
Documentation	Test plans, test cases, automation scripts, technical documentation
Collaboration	Team collaboration, Agile environments, cross-functional teamwork

EDUCATION

Master of Engineering in Electrical and Computer Engineering <i>University of Windsor – GPA: 3.3/4.0</i>	Jan 2023 – Apr 2024 <i>Windsor, ON, Canada</i>
Bachelor of Engineering in Electrical Engineering <i>Gujarat Technological University – GPA: 7.85/10</i>	Jul 2015 – Jun 2019 <i>Gujarat, India</i>

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer <i>ProjectTree Technology Private Limited</i>	Mar 2020 – Feb 2021 <i>Gujarat, India</i>
<ul style="list-style-type: none">Applied programming skills in Java, JavaScript, and Python towards automating and optimizing testing of cloud-based applications deployed on AWS, significantly improving test coverage and reducing manual testing efforts.Contributed to automation test framework development and automation architecture design, implementing reusable components that enhanced testing efficiency across multiple projects and team workflows.Created and improved comprehensive testing documentation including detailed test plans, test cases, and automation scripts, ensuring clear communication of testing strategies and maintainable test suites.Conducted thorough QA tests and verified outcomes against expected results, identifying defects early in development cycle and collaborating with developers to ensure high-quality software releases.	

- Worked collaboratively in team setting with cross-functional members including developers, QA engineers, and product managers, demonstrating strong communication skills and commitment to team success.
- Implemented unit test frameworks using JUnit and Jest for backend and frontend testing, ensuring code quality and facilitating continuous integration through automated testing pipelines.

Software Engineer

Sep 2019 – Feb 2020

Gujarat, India

ProjectTree Technology Private Limited

- Developed automated tests using Java, JavaScript, and Python for cloud-based applications, focusing on test optimization and framework contributions to improve overall testing efficiency and reliability.
- Contributed to continuous integration and continuous deployment workflows using Jenkins, automating test execution and enabling faster feedback loops for development teams.
- Created test cases and automation scripts for microservice architecture applications, ensuring comprehensive testing coverage across distributed systems and API endpoints.
- Conducted QA testing activities including functional testing, regression testing, and integration testing, verifying outcomes and documenting results for stakeholder review and decision-making.
- Collaborated effectively within Agile team environment, participating in sprint planning, daily standups, and retrospectives while maintaining strong working relationships with team members.

TECHNICAL PROJECTS

Workasana - Task & Team Management App | Python, Node.js, AWS, Jenkins

- Architected and developed comprehensive test automation framework using Java and Python for testing cloud-based applications on AWS, contributing to automation architecture and significantly improving testing efficiency.
- Applied programming skills to automate and optimize testing processes, creating reusable test components and utilities that reduced test execution time and enhanced overall test coverage.
- Implemented unit testing using JUnit and TestNG frameworks, ensuring code quality and enabling continuous integration through automated test execution in Jenkins CI/CD pipelines.
- Created detailed testing documentation including test plans, test cases, and automation script guidelines, facilitating knowledge sharing and ensuring maintainability of test suites across team.

Kavio Pix Media Cloud | JavaScript, Node.js, BDD, AWS

- Developed automated testing solution for microservice architecture application using JavaScript and BDD testing frameworks, conducting comprehensive QA tests and verifying outcomes across distributed services.
- Contributed to automation test framework enhancements, implementing behavior-driven development practices that improved collaboration between technical and non-technical stakeholders.
- Created and maintained test cases and automation scripts for RESTful APIs, ensuring thorough validation of microservice interactions and data flow across cloud-based platform components.
- Collaborated in team setting to establish testing standards and best practices, working closely with developers to integrate automated tests into continuous deployment workflows using Jenkins.

Enterprise E-commerce Platform | Python, Javascript, JUnit, AWS

- Applied programming expertise in Java and Python to develop automated tests for multi-tenant cloud platform, optimizing testing processes and contributing to scalable automation architecture.
- Implemented comprehensive unit test coverage using JUnit framework, ensuring high code quality standards and facilitating continuous integration through automated test execution pipelines.
- Conducted extensive QA testing activities including functional, regression, and integration testing, verifying outcomes against requirements and documenting findings for stakeholder review.
- Created detailed testing documentation including test plans, test cases, and automation scripts, while collaborating effectively with team members to achieve quality assurance objectives and project goals.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Oracle Cloud Infrastructure Developer Professional | Oracle

Oct 2025

Oracle Cloud Infrastructure Application Integration Professional | Oracle

Oct 2025

Introduction to Front-End Development | Coursera

Sep 2023

React Basics | Coursera

Oct 2023

Introduction to Microsoft Dynamics 365 | Coursera

Oct 2023

Microsoft Power Platform Fundamentals | Coursera

Dec 2023