

Santosh Karad

Software Test Engineer

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Professional Summary

Detail-oriented Software Test Engineer with over 8 years of expertise in Quality Assurance, Test Automation, and Backend Development. Skilled in designing robust test strategies, developing scalable automation frameworks, and integrating CI/CD pipelines for efficient software delivery. Experienced in cloud technologies, API testing, and DevOps practices, with a proven track record in the Airline, Banking, Telecom, and Intralogistics Automation domains. Known for problem-solving abilities, cross-functional collaboration, and a commitment to software quality excellence.

Key Achievements

- Reduced regression testing time by 40% by optimizing automation frameworks with Playwright and Selenium.
- Developed ShadowPilot, a browser extension that provides locators automatically along with code snippets.
- Created SiteSense, a browser extension for comprehensive WCAG Accessibility Testing.
- Led QA efforts for an airline ancillary recommendation system, achieving 100% accuracy in personalized recommendations.
- Designed scalable backend monitoring services for automation systems, ensuring 99.9% uptime.
- Implemented CI/CD pipelines (Azure DevOps, Jenkins), reducing deployment time by 30%.

Certifications

- ISTQB Certified Tester - Foundation Level
- AWS Certified Solutions Architect – Associate
- Certified ScrumMaster (CSM)

Technical Skills

Testing Tools & Frameworks

- Automation Frameworks: Playwright, Selenium WebDriver, Robot Framework, TestNG, PyTest
- Behavior-Driven Development: Cucumber, Behave
- Cloud-Based Testing: BrowserStack, Sauce Labs

Programming & Development

- Languages: Java, Python, SQL, JavaScript
- Backend Development: Java Spring Boot, Python Django, Flask, Node.js

DevOps & CI/CD

Jenkins, Azure DevOps, Docker, Kubernetes

Database Management

MySQL, PostgreSQL, MongoDB, Oracle Database

Cloud Platforms

AWS (EC2, S3, Lambda), Microsoft Azure, Google Cloud Platform

Miscellaneous

- Version Control: Git, GitHub, GitLab
- Project Management: JIRA, Trello, Azure Boards
- Monitoring Tools: Grafana, Prometheus

Languages

English, Hindi, Marathi

Professional Experience

Senior Test Analyst

GenZ Software Solutions Pvt Ltd | Oct 2023 – Present

- Worked on an Airline Ancillary Recommendation System to provide personalized services.
- Automated 200+ test scenarios using Playwright, integrated with Azure DevOps.
- Conducted API testing to ensure data accuracy and system reliability.
- Collaborated with cross-functional teams to refine recommendation algorithms.

Software Test Engineer / Backend Developer

Armstrong Machine Builders Pvt Ltd | Sep 2022 – Sep 2023

- Developed backend monitoring services using Java Spring Boot and Python Flask.
- Automated backend workflows and performed functional testing with Selenium.
- Integrated automation pipelines with Jenkins.

Quality Analyst

SitusAMC India Pvt Ltd | Nov 2020 – Mar 2022

- Automated regression suites using Selenium and Java.
- Conducted database validation for financial systems.
- Streamlined project tracking and deployments using Azure DevOps.

Software Tester / Backend Contributor

Mphasis Ltd | Aug 2019 – Mar 2020

- Developed microservices for a banking application using Python Django.
- Automated test scenarios and integrated with Jenkins pipelines.

Analyst (Quality Control)

Ocwen Financial Solution Pvt Ltd | Oct 2018 – Aug 2019

- Ensured compliance and performance of trading and financial applications.

Senior Associate

Suma Soft Pvt Ltd | Feb 2016 – Sep 2018

- Tested telecom features, including call forwarding and messaging.
- Created and optimized automation frameworks with Selenium and Python.

Associate

KM IT Pvt Ltd | Apr 2015 – Feb 2016

- Conducted manual testing for telecom applications.

Projects

Airline Domain - Ancillary Recommendation System

- Automated test scenarios with Playwright and optimized data-driven workflows.
- Designed and executed API testing for personalized recommendations.

Intralogistics Automation - Monitoring System

- Built backend services using Java Spring Boot and Python Flask.
- Monitored real-time automation systems via RESTful APIs.

Banking Domain - Core Banking Features

- Automated core modules testing, reducing manual efforts by 50%.
- Validated features like account management, loan processing, and fund transfers.

Telecom Domain - Application Testing

- Improved system reliability by automating workflows for call forwarding and SMS.

Financial Services Application Testing

- Ensured compliance with SOX and GDPR standards through customized test frameworks.

Education

Bachelor of Engineering in Electronics

Dr. Babasaheb Marathwada Ambedkar University, Aurangabad, Maharashtra, India