Note: The following information includes dummy company names and dates, used only for resume structure and formatting reference.

QA Automation Lead | AI-Driven Testing Expert

ISTQB-certified QA Automation Lead with 12+ years of experience in designing and implementing scalable, AI-powered automation frameworks. Specialized in Cypress, Selenium, Playwright, and Python with strong exposure to CI/CD, DevOps pipelines, and cloud-based testing. Proven ability to drive 80%+ automation coverage, reduce defect leakage, and improve delivery velocity. Adept in architecting self-healing frameworks, leading cross-functional QA teams, and integrating AI/ML for intelligent test execution.

Skills

- **Automation Tools:** Cypress, Selenium, Playwright, Appium, JMeter, Applitools
- **Programming Languages:** Python, TypeScript, Java, Groovy, REST API, JSON
- **Test Frameworks:** POM, BDD, TDD, Keyword, Data-Driven
- **DevOps & CI/CD Tools:** Jenkins, Azure DevOps, Docker, Ansible, Kubernetes, GitHub Actions
- **Monitoring & Reporting:** ELK Stack, Kibana, Grafana, TestRail, Allure, HTML Reports
- **Cloud & Infrastructure:** Azure, Browser Stack, Terraform, Postman, JIRA, VS Code
- **AI/ML Integration:** LangChain, OpenAI, Gemini, Conversational Bots
- **Certifications:** ISTQB Certified, Certified Scrum Master

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Experience

QA Lead

TechNova Solutions Pvt Ltd – Mumbai, India
Jan 2022 – Present

- Architected and implemented an AI-enhanced Selenium test automation framework using Python, integrated with LangChain, OpenAI, and Gemini LLMs for dynamic test case generation.

- Introduced agentic execution workflows that enabled full test runs from navigation to validation, including handling pop-ups and dynamic modals.
- Developed self-healing locator logic capable of automatically switching strategies when primary locators fail, reducing flaky test failures by 70%.
- Integrated detailed logging and failure detection modules with screenshot capture, execution time tracking, and HTML reporting.
- Built modular framework architecture inspired by GitHub CLI style, with CI/CD integration and support for API/mobile testing.
- Enabled screen recording during test execution for demo and debugging.
- Delivered POC for real-time prompt-based test case generation.
- Achieved 85% automation coverage and 65% regression time reduction.
- Mentored team on AI-infused testing and LLM adoption.

Key Achievements:

- Developed & deployed LLM-powered Selenium framework using LangChain, Gemini, and OpenAI.
- Delivered AI test POC with agentic execution and dynamic reporting.
- Standardized QA processes across 19 global teams.
- Future-proofed QA operations through AI integration.

Senior QA Lead

InnoCore Tech Services – Bangalore, India
May 2014 – Dec 2021

- Built test frameworks using Selenium, Appium, WebDriverIO, JMeter, and REST Assured for gaming platforms.
- Created 4500+ test cases covering regression, UAT, and API tests.
- Stabilized flaky suites by 73% through smart waits and tagging.
- Led CI/CD integration with Jenkins, Docker, and Ansible.
- Built dashboards in Grafana/Kibana for live test monitoring.
- Mentored 50+ QA engineers, improving manual to automation transition.
- Developed chatbot to analyze test failures, fetch logs, and show historical trends instantly.

Key Achievements:

- Achieved 73% regression stability on core test suite.
- Saved 20+ man hours/week using automated API validation and alert bots.
- Led AI+QA initiatives for proactive defect prediction.
- Aligned QA strategy with business and development goals.

Technical Consultant

CodeBridge Systems Ltd. – Bhubaneswar, India
Jan 2011 – April 2014

- Developed Selenium and Appium-based test frameworks for web and mobile apps.
- Handled full-stack automation for healthcare and e-commerce platforms.
- Delivered manual and automated testing for high-scale government applications.
- Collaborated with DevOps for streamlined QA deployments.
- Recognized by clients for minimizing defect leakage and enhancing test effectiveness.

Education

Note: Dummy education details below for format reference only

Master's in Software Engineering
Global Tech University – London, UK
Jan 2020 – Jan 2022

Bachelor's in Information Technology
Digital Institute of Technology – Pune, India
Aug 2007 – May 2010