SHIRISH PATIL

Pune, MH (India)

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PROFESSIONAL SUMMARY

Experienced Software Test Engineer with 13+ years of expertise in API automation testing, test strategy development, and CI/CD integration.

- Strong proficiency in API automation frameworks, Cypress, Selenium, Postman, TestNG, JMeter, and performance testing tools.
- Proven ability to develop, execute, and optimize API automation strategies to enhance test coverage and efficiency.
- Hands-on experience in Agile, Scrum, AI-powered testing, and machine learning in QA.
- Expertise in managing offshore and onshore QA teams, mentoring junior testers, and optimizing test processes to align with business goals.

KEY SKILLS & EXPERTISE

- **Testing & QA:** Manual, Functional, Regression, UAT, End-to-End Testing
- **Automation Tools:** Cypress, Selenium WebDriver, Postman, TestNG, Cucumber, JMeter, K6
- **Programming Languages:** Java, JavaScript
- **Test Management:** JIRA, TestRail, Confluence, Zephyr, Basecamp, Bugzilla
- **Performance Testing:** JMeter, K6
- **AI & ML in Testing:** AI-based test case generation, ML-driven defect prediction, Predictive analytics
- **Agile & DevOps:** Sprint Planning, Scrum, CI/CD Pipelines, Git, Bitbucket, Jenkins
- **Monitoring & Debugging:** Kibana, SonarQube, Log Analysis, AI-powered log anomaly detection
- **Leadership & Team Management:** Offshore Coordination, Cross-Functional Collaboration, Agile Strategy, Process Improvement

PROFESSIONAL EXPERIENCE

Avathon Inc. | Test Engineer | Dallas, TX (USA) July 2022 – Present

- Designed and executed test plans for **API** and **web applications**, ensuring full functionality and test coverage.
- Developed an **AI-driven API automation** suite, covering **80%** of **API regression** tests, **improving execution** speed.
- Created and took ownership of an **API automation framework** using **Postman**, covering **60-70%** of **API regression** tests.
- Constructed a **Postman API testing framework**, centralizing test results for **1000+ endpoints** on a **TestRail dashboard.**
- Contributed to **regression test automation** using **Cypress**, **Cucumber**, and **TestNG**, automating **20%** of tests.
- Integrated automated testing into **CI/CD pipelines**, reducing execution time by **40%**.

- Collaborated with development teams to **resolve issues early**, **reducing regression maintenance efforts** by **60%.**
- **Managed and mentored an offshore QA** resource in India, improving communication, task allocation, and execution.
- **Facilitated cross-team collaboration**, ensuring seamless knowledge transfer and faster defect resolution.

Mercury Healthcare | Test Engineering Lead | Dallas, TX (USA) June 2021 – July 2022

- **Managed onshore-offshore QA** teams and led Agile test strategies.
- Conducted **healthcare-specific** data validation using **HL7 standards and ETL testing**.
- Developed **test optimization techniques**, reducing redundant **test cases by 25%**.
- Reduced **production defects from 10% to 3%** by enhancing automation coverage and **defect triaging**.
- Integrated **API testing with Postman** and consolidated **test reporting**, improving efficiency.

Concepta Software Solutions | Sr QA Engineer | Boston, MA (USA) Sept 2019 – June 2021

- Automated **40% of regression tests** using Selenium, Cucumber, and TestNG.
- Built an **end-to-end API automation suite** covering **90% of API test cases**.
- Reduced production bugs by over **65%** through test coverage expansion and risk-based testing.
- Led functional and performance testing, ensuring software meets scalability and security standards.
- Collaborated with developers and stakeholders to refine test cases, improving requirement clarity.

PREVIOUS EXPERIENCE

- **QA Analyst** | Concepta Software Solutions | Pune, MH, India June 2014 – Aug 2019
- **Quality Analyst** | GreyHound Technologies | Nashik, MH, India June 2013 – May 2014
- **Jr. Quality Analyst** | Agile Technosys | Nashik, MH, India Feb 2012 – June 2013

CERTIFICATION & TRAINING

- Certified Cypress Automation Engineer
- Postman API Automation Certification
- AI & ML in QA
- ISTQB Foundation Level Certified

EDUCATIONAL SUMMARY

- **MBA - PGDITM,** Symbiosis Centre For Distance Learning, Pune, India (2019)
- **B.E. Electronics & Telecommunication,** Pune University, India (2011)
- **Diploma in Electronics & Telecommunication,** Government Polytechnic, Nashik, India (2008)