



SHUDIPKUMAR WAGH

QA Manager/Head

QA Manager / Head of QA with 17+ years of experience leading quality engineering across CTRM platforms, education, and insurance domains. Proven expertise in designing and driving QA strategy, governance, and high-impact test automation initiatives.

Hands-on specialist in Python and PyTest-based automation frameworks, API testing, and CI/CD integration, with a strong track record of improving test coverage, accelerating release cycles, and enhancing product reliability. Actively leverage AI to elevate test case quality, optimize coverage, and speed up automation development and maintenance.

Built and continuously use an AI-driven QA agent using Microsoft Copilot for generating, refining, and validating test cases aligned with functional and business requirements.

An n8n enthusiast with a passion for building offline, personal chatbot workflows and automation pipelines. Also create short-form Instagram content using AI tools as part of a personal content automation system. Extensive experience with Azure DevOps for end-to-end test management, requirements traceability, release coordination, workflows, and defect lifecycle management.

CONTACT

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CORE SKILLS

- Selenium
- Python
- pytest
- AI-Driven Test Case Design
- AI-Enabled Test Coverage Optimization
- AI-Accelerated Test Automation Development
- AI Agent Creation (Microsoft Copilot)
- API Automation
- REST API Testing
- TestNG
- Java
- QA Management
- Test Strategy
- QA Governance
- Release Management
- Risk-Based Testing
- SDLC
- STLC
- CI/CD
- Agile
- Scrum
- Azure DevOps (Boards, Test Plans, Bugs)
- Defect Management
- Quality Metrics
- CTRM
- n8n Automation
- AI Animation

PROFESSIONAL EXPERIENCE

QA Manager / Head of QA (Functional)

Peninsula Petroleum / Peninsula Data Services Pvt. Ltd. -
Pune, Maharashtra, India

- 2018 - Current
- Own end-to-end QA delivery for a mission-critical CTRM platform supporting enterprise trading and risk operations
- Final release sign-off authority responsible for go / no-go production decisions
- Lead and mentor a 20+ member QA team including manual and automation engineers
- Designed and implemented a Selenium-TestNG automation framework adopted by the QA team for the initial years on a specific module, and subsequently led the migration to a pytest-based automation framework for a different module
- Actively use AI on a continuous basis to improve test case quality, reduce redundancy, and increase functional coverage
- Created and actively use an AI-based agent using Microsoft Copilot for test case generation and refinement based on functional and business requirements
- Actively use AI to accelerate test automation development, refactoring, and ongoing maintenance
- Designed and executed API automation using Python requests
- Integrated automated test suites with CI/CD pipelines
- Used Azure DevOps for test case management, defect tracking, sprint planning, and reporting
- Reduced regression execution time by ~60% through automation optimization
- Publish defect trends, test coverage, and release quality metrics to senior leadership

CERTIFICATIONS

- Certified ScrumMaster (CSM)
- ISTQB Certified Tester
- Certification in Data Science, AI & Analytics

ACHIEVEMENTS

- Introduced test automation from the ground up in the current organization, establishing frameworks, processes, and best practices.
- Developed an AI-driven agent that generates high-quality test scenarios and test cases, fully compatible with Azure DevOps Test Plans.
- Pioneered the adoption of Cucumber-based automation in the previous organization, significantly improving BDD practices and collaboration.
- Built RAG-powered chatbots and agentic AI workflows using n8n to automate complex, multi-step tasks and personal productivity workflows.
- Created AI-driven animated videos that gained viral traction on social platforms.

PROFILE

[linkedin.com/in/shudipkumar-wagh-5975ba157/](https://www.linkedin.com/in/shudipkumar-wagh-5975ba157/)

QA Project Lead / Senior QA Lead

Fulcrum Worldwide (Fulcrum Digital) - Pune, Maharashtra, India

- 2018 - Led end-to-end QA delivery for multiple client-facing enterprise applications as Offshore QA Project Lead
- 2018 - Acted as the primary QA point of contact for onsite and international clients
- 2014 - Owned QA planning, test strategy, execution, and reporting across concurrent projects
- 2014 - Designed and implemented functional and regression automation frameworks using Selenium, Cucumber (BDD), TestNG, and Maven
- 2014 - Pioneered a Cucumber-based automation framework and trained QA team members on automation best practices
- 2014 - Provided weekly QA status reports, defect metrics, and quality dashboards to senior management
- 2014 - Participated in requirement analysis, sprint planning, backlog grooming, and estimation
- 2014 - Reviewed user stories and defined test approach, coverage strategy, and effort estimates
- 2014 - Supported sprint execution by resolving QA risks, blockers, and environmental issues
- 2014 - Collaborated closely with Product Owners, Developers, and Scrum Masters to ensure release readiness

QA Team Lead

Gibunco Data Services (Peninsula Data Services Pvt. Ltd.) -

Pune, Maharashtra, India

- 2014 - Assigned tasks to QA team members and ensured sprint progress
- 2014 - Performed functional and regression testing on Windows platforms
- 2014 - Participated in quality assurance meetings to discuss current projects and developments.
- 2012 - Collaborated with team to schedule and perform regression for products ready to be released.

Web Tester

Ubisoft India Pvt. Ltd. - Pune, Maharashtra, India

- 2011 - Executed functional and regression testing for web-based applications
- 2011 - Logged, tracked, and verified defects
- 2011 - Wrote detailed test scenarios and cases, accurately logging errors and defects in comprehensive test reports.
- 2008 - Coordinated exploratory testing with developers and external testers to proactively assess viability.

EDUCATION

2008

B.E. Computer Science

M.E.S.C.O.E - Pune