

Akshata Kumaranarasimha

Senior SDET (QA Lead)

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PROFESSIONAL SUMMARY

11+ years Senior SDET/QA Manager skilled in QA strategy, Python-based automation frameworks, and AI/LLM quality. Proficient in API, integration, and performance testing with CI/CD gating. Collaborates with engineering and product to drive KPI-led releases, scalable coverage, and disciplined defect management.

TECHNICAL SKILLS

- **Testing Types:** Functional Testing, API Testing, Integration Testing, System Testing, UI Testing, Performance Testing, Reliability & Regression Testing, Risk-Based Testing, Shift-Left Testing
- **Automation:** Selenium WebDriver, Pytest, Behave, Eggplant (Coordinate-based automation)
- **Api Testing:** Python Requests, Postman, Swagger
- **Performance Testing:** JMeter
- **Cloud Based Testing Tools:** BrowserStack, LambdaTest
- **CI/CD Tools:** GitHub Actions, Jenkins, BuildBot
- **Version Control:** GitHub, Perforce
- **Programming Scripting:** Python, MySQL
- **Test Management & Defect Tracking:** Jira, TestRail, Zephyr, Defect Management & Root Cause Analysis
- **AI / LLM Quality Engineering:** Prompt Engineering & Prompt Validation, OpenAI (GPT-4 / GPT-4o via API & Playground), ChatGPT, Gemini, GitHub Copilot, TestGPT
- **Workflow, Documentation & Collaboration:** n8n (Workflow Automation), Confluence, Notion, Miro, Figma
- **Cloud Services (AWS) :** EC2, S3, Lambda, DynamoDB, CloudWatch, Secrets Manager, QuickSight

PROFESSIONAL EXPERIENCE (11+ YEARS)

Senior SDET/ QA Manager | Sep 2023 - Nov 2025

App0 Inc | Bengaluru India

- Led end-to-end implementations and quality delivery for enterprise clients like **Bombay Hair (US & Canada), BhuFoods, Wellena, Physician's Choice, Tushbaby, Puroast Coffee, Trade Coffee**, and **Curalife** across the US and Canada, from requirements through production go-live.
- **Defined and owned QA strategy** across functional, integration, API, and end-to-end validation.
- **Designed and validated AI workflows using YAML/Jinja-based prompt engineering**, ensuring accurate and consistent model behavior.
- Built **Python-based automation** for regression, API validation, and tool orchestration, improving release stability and test coverage.
- **Developed AI-powered response quality evaluation frameworks** using Python (scikit-learn) for semantic similarity and sentiment analysis
- **Automated workflows and operational processes using n8n** to streamline internal and client-facing systems.
- Coordinated cross-functional delivery with engineering, product, and CX teams, managing priorities and ensuring on-time releases.
- Conducted client business reviews, presenting KPIs and performance insights.
- Performed production issue triage, log analysis, and root cause analysis to resolve API, tool, and workflow failures.
- Created scalable documentation for workflows, configurations, testcases, and escalation rules to support scalable and maintainable implementations.
- Delivered KPI-driven insights (deflection rate, feedback percentage, flow accuracy, tool success rates) while strengthening QA processes and implementation standards.
- Role concluded in Nov 2025 due to company closure. Supported transition and handover activities beyond the formal end date.

Senior Full Stack QA | Aug 2022 - Sep 2023

Mensari Inc | Bengaluru India

- Led quality assurance activities across the entire product lifecycle, ensuring consistent delivery of high-quality and reliable releases.
- Owned test strategy, execution, and release validation for end-to-end delivery.

- Built and maintained **Python-based automation** to improve test coverage and reduce regression cycle time.
- Collaborated with engineering and product teams to track progress and proactively resolve risks.
- Combined hands-on technical execution with delivery ownership to drive predictable outcomes.

Automation Specialist 2 | Jun 2019 - Jul 2022

Maxon Computer | Friedrichsdorf Germany

- Owned automation strategy and quality initiatives for Maxon products, driving scalable and reliable test coverage
- Built a coordinate-based **UI automation framework** using **Eggplant** for complex, visually driven workflows
- Integrated automation with a **Buildbot CI/CD pipeline** to enable continuous testing and early defect detection
- Collaborated closely with engineering teams to improve testability, infrastructure, and defect resolution
- Provided clear quality metrics, execution reports, and mentored QA engineers on automation best practices

Senior Quality Analyst | Dec 2016 - Nov 2018

Cloud Lending Solutions | Bengaluru India

- Served as Test Lead, owning end-to-end test planning and management for the complete product testing lifecycle
- Solely designed and developed a comprehensive automation suite for the CL Originate product on **Salesforce**, leveraging **Salesforce REST APIs** to automate functional and regression validation across releases
- Developed a performance testing automation suite using JMeter to assess system stability and scalability under load
- Received the *Best Performer Award* for ownership, delivery excellence, and contribution to project success

Quality Analyst | Jan 2015 - Dec 2016

Electronics for Imaging | Bengaluru India

- Reviewed application code and identified defects prior to product releases.
- Designed and implemented UI automation suites using Selenium WebDriver.
- Analyzed business requirements and user experience goals to create detailed test plans and test cases.
- Earned *multiple sprint awards* for meeting sprint goals and maintaining high quality standards

Test Engineer | Aug 2013 - Dec 2015

Dell R&D Inc | Bengaluru India

- Developed test plans and test cases for proprietary software products.
- Identified, reproduced, and tracked defects throughout the development lifecycle, improving product quality and end-user experience.
- Awarded the *Attention to Detail Award* for consistent quality and precision in testing deliverables.

EDUCATION

Master of Technology in Software Systems | Aug 2017

Birla Institute of Technology | Pilani (WILP)

Bachelor of Engineering in Computer Science | Jul 2013

GSSS institute of engineering and technology affiliated to VTU | Mysore

CERTIFICATIONS

- ISTQB Certified Tester Foundation Level (Credential ID: 22-CTFL-01124- USA)
- Hackerrank Python (Credential ID: EFDA9A4BF6E3)
- IBM Certified Associate Developer - Rational Application Developer for WebSphere (Credential ID: SR7854310)
- IBM Certified Solution Designer - Rational Functional Tester for Java (Credential ID: PR1681785)

LANGUAGES

- English
- Kannada
- German
- Hindi