



# ASHISH KUMAR



## Certified Scrum Master & Product Owner | QA Specialist

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### Professional Summary

Senior QA Automation Engineer & Certified Scrum Master with 11+ years in telecom, networking, and cloud QA. Expert in test automation (Python, Robot Framework, Selenium, PyATS) and CI/CD pipelines (GitLab CI, Jenkins, Grafana), delivering 30%+ faster regression cycles and 60–80% quicker feedback loops. Skilled in Wi-Fi/OSS QA, cloud virtualization (AWS, VMware), and API/security testing, with a proven record of reducing defects by 20% and enabling high-quality, on-time releases.

### Technical skills

- Automation & Programming: Python, Selenium, Robot Framework, PyATS
- CI/CD & DevOps: GitLab CI, Jenkins, Grafana, Git
- Networking & Wi-Fi QA: RvR, iperf3, DFS, roaming, WAN/LAN, L2/L3 (OSPF, BGP, RIP)
- API & Security Testing: Postman, Burp Suite, Wireshark, ZAP, OpenSSL
- Cloud & Virtualization: AWS, VMware, vSphere, Linux containers
- QA Practices: Test Design, Test Planning, Regression & Performance Validation, Defect Management
- Methodologies: Agile, Scrum, SAFe – Sprint Planning, Retrospectives, Definition of Done

### Recent Impact

- **Delivery Pipeline:** Smart Image Caching: Re-architected image pulls with remote cache; cut pipeline time 30–45% and reduced external pulls by 80%+.
- **Release Engineering:** Shift-Left Gates: Moved lint/compile to first stage; failures surface in 2–5 mins (vs. 60–120), giving 60–80% faster feedback.
- **Quality Platform:** Template Suites (Robot): Consolidated checks into templates/shared keywords; cut code 35–50%, simplified debugging, lowered flaky fails to <1%.
- **Network Toolkit:** Router Config Library: Centralised setup into reusable library; improved bring-up 35–45% and boosted first-run success 15–20%.

### Core Competencies




- **Agile & Leadership:** Scrum Leadership, Agile Coaching, Sprint Planning, Retrospectives, Stakeholder Management
- **Test Automation:** Python, Robot Framework, Selenium, PyATS, Test Design, Regression & Performance Validation
- **CI/CD & DevOps:** GitLab CI, Jenkins, Grafana, Git, Continuous Integration & Delivery Pipelines
- **Networking & Wi-Fi QA:** RvR, iperf3, DFS, roaming, WAN/LAN, Protocols (OSPF, BGP, RIP)
- **Cloud & Virtualization:** AWS, VMware, vSphere, Linux Containers
- **API & Security Testing:** Postman, Burp Suite, Wireshark, ZAP, OpenSSL
- **Process Excellence:** QA Strategy, Process Improvement, Defect Reduction, Release Quality Assurance

### Work History



- 2022 **British Telecom**  
Test Automation Developer
- 2021 **Tata Consultancy Services**  
Senior Consultant,  
Client : British Telecom
- 2014 **Wipro Technologies Ltd.**  
Senior Software Engineer  
Clients : Cisco, Ericsson

## Certifications

### Agile & Leadership

-  Professional Scrum Product Owner I (PSPO I)
-  Professional Scrum Master I (PSM I)
-  Project Management Professional (PMP) – In Progress

### QA & Automation

-  Google IT Automation with Python
-  Python Bootcamp (Udemy)

### Cloud & Security

-  Cisco Security Ninja, Advanced White Belt
-  Microsoft: Azure AI Fundamentals (AI-900) – In Progress
-  SmartGrad from Jetking Institute

## Education

- 2018**  **M.tech– Software Engineering(WILP)**  
*Birla Institute of Technology And Science, Pilani*
- 2014**  **Bachelors Computer Applications (BCA)**  
*New Horizon College, Bengaluru*
- 2011**  **Pre–university**  
*New Horizon PU college, Bengaluru*
- 2009**  **10th (CBSE)**  
*Kendriya Vidyalaya ASC center, Bengaluru*

## Work Experience

### QA Engineering Professional | BT Group

- **Scrum Leadership:** Guided a 10-member Agile squad as Scrum Master, leading sprint planning, retrospectives, and backlog refinement. Achieved 95% on-time delivery of planned features while improving team collaboration and stakeholder alignment.
- **Automation Excellence:** Developed advanced Python/Robot Framework suites and template-driven test cases, cutting manual effort by 35%, simplifying debugging, and reducing flaky failures to <1%.
- **CI/CD Optimization:** Enhanced GitLab CI pipelines by integrating Grafana dashboards for real-time reporting and implementing smart caching. This reduced pipeline execution time by 30–45% and lowered external image pulls by 80%+.
- **Networking & Wi-Fi QA:** Designed and executed performance and compliance test suites (RvR, C-50, Octobox, Spirent, B54) to validate throughput, latency, stability, and certification readiness across Linux and Windows platforms.
- **Cross-Platform Validation:** Delivered end-to-end OSS system validation, including iperf3 benchmarking, DFS compliance, roaming, and WAN/LAN integrations, ensuring seamless cross-environment functionality.
- **Quality & Process Improvement:** Implemented shift-left static gates, surfacing failures in 2–5 mins (vs 60–120 mins), boosting feedback speed by 60–80%. Conducted root-cause analysis and improved defect tracking, reducing leakage by 20% and strengthening release confidence.

### Tech Lead | TCS TATA CONSULTANCY SERVICES

#### Clients: BT Group

- **QA Delivery:** Led full-cycle QA for BT's OSS and telecom systems, covering functional, regression, performance, and integration testing to ensure reliable releases across critical enterprise platforms.
- **Automation:** Designed and maintained automation frameworks in Python, Robot Framework, and Selenium, expanding test coverage and cutting manual execution effort by 30% while accelerating regression cycles.
- **Cloud & Migration Projects:** Played a key role in enterprise AWS cloud migration, managing validations, test environments, and ServiceNow documentation to ensure seamless cutover with zero downtime.
- **Defect Management:** Streamlined defect triage and root-cause analysis across multiple releases, improving detection efficiency and reducing production leakage by 20%.
- **Process Improvements:** Standardized test planning and execution workflows that shortened release cycles by 15–20% and improved stakeholder visibility.
- **Collaboration:** Partnered with BT stakeholders, developers, and operations teams to align QA efforts with business goals, ensuring predictable delivery and stronger release confidence.

## Senior QA / Test Automation Engineer |

Clients: Cisco, Capital One, Ericsson, Nokia

- **Cisco (TelePresence & WSA):** Designed and executed test strategies for regression and solution validation. Automated test cases in Python, Selenium, and PyATS, cutting manual effort by 40%. Built VMware testbeds (setup time ↓ 20%), managed defects in Bugzilla, and executed API/security testing (Postman, Burp Suite, Wireshark, OpenSSL). Integrated with Git/Jenkins, improving release cycles by 15%.
- **Ericsson – Network Devices:** Delivered protocol and regression testing (OSPF, BGP, RIP) with VMware-based virtual labs; automated/debugged Python scripts, boosting test reliability and reducing repeat failures by 25%.
- **Nokia – NMS Systems:** Validated NMS APIs using Postman, improving integration accuracy and increasing system reliability by 20%.
- **Capital One – AWS Cloud Migration:** Supported QA for enterprise migration to AWS Cloud, ensuring zero downtime. Managed ServiceNow operations, compliance documentation, and onboarding, improving knowledge transfer efficiency by 30%.
- **Key Achievements:** Reduced release cycles by 25% through automation, delivered QA across networking, cloud, and security domains, and built cross-domain expertise spanning telecom, enterprise systems, and cloud platforms.

## Leadership & Mentorship

- **Agile Squad Leadership:** Led a 10-member cross-functional Agile squad as Scrum Master, driving sprint ceremonies and backlog alignment that delivered 95% of planned features on schedule across multiple releases.
- **Mentorship:** Coached 6+ junior QA engineers and interns on Python, Robot Framework, and networking QA practices, improving onboarding efficiency by 40% and cutting ramp-up time from 3 months to 6 weeks.
- **Cross-Team Collaboration:** Organized bi-weekly knowledge-sharing sessions with QA and DevOps teams, standardizing CI/CD and automation practices that improved pipeline reliability by 25%.
- **Process Improvement:** Implemented structured retrospectives that reduced recurring blockers by 30%, directly boosting sprint velocity by 15–20%.
- **Leadership in Change:** Bridged communication between stakeholders and technical teams, aligning QA strategy with business goals, contributing to a 20% reduction in defect leakage in production.

## Professional Philosophy

I believe in delivering quality at scale by building systems that are efficient, resilient, and future-ready. My approach blends Agile leadership, automation strategy, and cross-functional collaboration to align QA excellence with business outcomes and drive sustainable success.

Highlights of my approach:

- Achieved 30–45% faster regression cycles through automation and optimized pipelines.
- Reduced feedback loops by 60–80% with shift-left practices and early validations.
- Lowered production defect leakage by 20%, improving release confidence.
- Focused on mentoring teams, simplifying complexity, and enabling high-quality, predictable deliveries.