

To leverage the expertise in QA, Automation Architect, AI & ML and Emerging Technologies to drive innovation, enhance operational efficiency, and deliver high-quality solutions. Aiming to contribute to organizational growth by implementing scalable automation frameworks, fostering cross-functional collaboration, and aligning QA strategies with business goals and industry standards.



PROFILE SUMMARY

- Accomplished **QA Manager & Automation Architect** with extensive experience in designing and implementing cutting-edge automation solutions across **Automotive, Embedded System, Telecom, Banking, and Cybersecurity Domains**, driving operational efficiency and innovation.
- Currently served as **Principal Engineer II** at Harman International, specializing in **Test Management, Automation Framework, AI-Powered Test & Defect Analysis, Cybersecurity, Continuous Integration/Continuous Deployment (CI/CD)** and **quality management system (QMS)**.
- Proven track record in **leading cross-functional teams** (10-12 members), guiding them through complex projects, and delivering high-quality outcomes.
- Passionate about leveraging **cutting-edge technologies, scalable automation solution** integrating **API & third-party tools** to enhance productivity and reduce deployment time, while focusing on **innovation** and **client satisfaction**.
- Demonstrates proficiency in **STLC Test Strategy & Planning, Security Test Strategy, Automation Strategy, Frameworks Architecture & Coding**, including Python, Java, and JavaScript, enabling innovative and efficient solutions in software testing and development.
- Skilled in managing **technical goals**, driving **automation initiatives**, and overseeing the **Failure Mode and Effects Analysis** to mitigate defect leakage and reduce **cost of quality**.
- Proven expertise in leveraging **Agile Methodologies** to lead cross-functional teams, enhance collaboration skills, and deliver high-quality software solutions on time and continuous improvement practices for **operational excellence**.
- Expertise in transforming organizational testing processes, integrating **predictive testing** & ensuring compliance with **ISO, CMMi, ASPICE standards**.
- Strong command of **emerging technologies**, including **Artificial Intelligence & Machine Learning (AI/ML), Generative AI, public cloud, AWS & DevOps** to architect forward-looking QA and testing infrastructures.
- Committed to professional growth, currently pursuing **M. Tech in Software Engineering & specialization in Full-Stack Engineering** to stay ahead in a rapidly evolving technological landscape.



CORE COMPETENCIES

- QA & Agile Project Management
- Automation & CI/CD Integration
- Test Strategy, Test Plan and Optimization
- Strategic Leadership & KPI Metrics
- Defect Leakage Mitigation
- Security & Vulnerability Testing
- Collaboration and Stakeholder Management
- Audit (ASPICE, CMMi) and Certification



TECHNICAL SKILLS

Python, Java
Selenium
Appium
Postman
DevOps
AI & ML



PROFESSIONAL QUALIFICATIONS

- PG in General Management, IIM Nagpur
- Advance Full Stack Development & Python for Data Science, IIT Roorkee
- EPG in Cyber Security and Ethical Hacking, IIT Roorkee
- DevOps Professional Certificate by PagerDuty
- Atlassian Agile Project Management Professional Certificate



CAREER TIMELINE (Recent 5)



EDUCATION

M. Tech. in Software Engineering
Birla Institute Of Technology & Science, Pilani, RJ

B. E in Mechanical Engineering
Kalinga Institute of Technology & Science,
Bhubaneswar, OD

Principal Engineer II | Harman International | Bangalore, India | March 2023 – September 2024**Projects:** Android Infotainment System (VW-OI, BMW IDCEvo, Tata Gen3), Automotive**Tech Stack:** Python, Pytest, Robot, Selenium, Appium, API, Postman, Jenkins, GitHub, CI/CD, AWS, EC2, Docker, Agile, Scrum, JIRA, ALM

- Spearheaded automation team to design **Automation Solution** and implement **CI/CD pipelines** for Automotive Infotainment systems, achieving a **30% reduction in deployment time** and improving overall system reliability through **KPI monitoring**.
- Architected robust and **scalable automation framework** to streamline business processes, ensuring seamless integration with **APIs**, third-party tools, and **AI Powered Test & Defect Analysis** for enterprise systems.
- Collaborated with **Cybersecurity teams** to develop reusable test cases and automation frameworks, resulting in a **30% reduction in software vulnerabilities** and improved system stability.
- Implemented **Agile methodologies** and ensured full compliance with **ASPICE standards**, driving alignment with corporate quality strategies and maintaining project excellence.

Academic & Professional Development | Bangalore, India | October 2024 – Till Date

- Serving as an **Automation Corporate Trainer at SimpliLearn**, delivering trainings on Python Automation, Selenium, CI/CD (Jenkins, Docker), mentoring professionals, and executing hands-on projects in cloud-based automation, scalable services, and AI/ML-driven testing.
- Pursued **MTech in Software Engineering** specializing in Full Stack Development (Python), Machine Learning, Artificial Intelligence, DevOps, Agile Project Management, Product Management, and Software Architecture.

Associate Consultant (Manager) | Tata Consultancy Services (TCS) | Bangalore, India | October 2021 – March 2023**Project:** British Telecom (BT), Telecom**Tech Stack:** Python, Robot, Selenium, API, Postman, Request, Jenkins, GitHub, CI/CD, AWS, Docker, Kubernetes

- Led a team of **Subject Matter Experts (SMEs)** to analyze existing implementations and provide accurate **project estimates**, streamlining negotiations with external stakeholders.
- Evaluated and implemented optimal **automation tools and frameworks**, achieving an effective balance of cost, scalability, and infrastructure compatibility. Designed and deployed comprehensive **testing frameworks** to ensure the accuracy, reliability, and scalability of automated processes across the BT project lifecycle.
- Developed **automation scripts** using Python, Selenium, and API integration, reduce regression effort by **40%** and enhancing operational efficiency.

Lead Platform QA Automation Engineer | Stryker (Formerly Vocera) | Bangalore, India | September 2014 – August 2021**Projects:** Voice Care Experience (VCXP), Service Infrastructure and Voice (SIV), Healthcare**Tech Stack:** Python, PyTest, Selenium, Appium, AWS, Jenkins, GitHub, JMeter, JIRA, TestRail, API, Postman, Nuance, Unix, MySQL

- Led **customer requirement analysis** to design tailored automation solutions for Voice Server, pioneered the development of **automation frameworks**, automated **1,500+ test cases**, enhancing test coverage, and streamlining reporting processes, reduce 40% regression effort in PROD release cycle
- Led daily scrum meetings, tracked **progress, estimated timelines**, and kept **stakeholders** informed on automation milestones and challenges.
- Fostered a culture of **continuous improvement**, drove best practices in test automation, supporting team growth, optimizing processes, and ensuring the adoption of the latest tools and techniques. Focused on team **training and development**, addressing career aspirations and challenges to maintain a motivated, high-performing team.

Lead Product Engineer | Harman (Formerly SymphonyTeleca) | Bangalore, India | March 2011 – September 2014**Project:** Vocera Communication - Healthcare

- Designed and deployed **automation frameworks** using Python, Java, and Selenium WebDriver, serving as the Single Point of Contact (SPOC) for client coordination, defect management, and issue resolution.

Associate IT Consultant | ITC Infotech, Bangalore, India | May 2008 – March 2011**Project:** AOL Market Place, ECommerce

- Created and executed **test plans and cases** for functional, usability, and regression testing, leveraging Quality Center to manage defects and ensure high product quality.

Software Test Engineer | Temenos (Formerly Financial Objects) | Bangalore, India | June 2006 – March 2008**Project:** Active Bank - SBAB Banken (Sweden), Investment Banking

- Acted as the Single Point of Contact (SPOC) for client interactions, leading calls, preparing test plans, and managing **test execution** and defect reporting using Quality Center.