

HEMANT KUMAR

QA MANAGER | PRODUCT OWNER | AGILE & SAFe | DIGITAL TRANSFORMATION |
LOCOMOTIVE, AVAIONICS, AUTOMATION, EMBEDDED DOMAINS

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PROFILE

Seasoned Technical QA Manager and Product Owner with 12+ years of experience in software testing, test automation, and leadership. Adept at establishing test strategies, building high-performing teams, and implementing industry-standard automation frameworks. Proficient in Agile (SAFe), CI/CD, cloud technologies (AWS), and performance testing. Strong leadership skills with expertise in driving efficiency, accountability, and quality.

SKILLS & EXPERTISE

- **Test Strategy & Automation** (Python, Selenium, REST Assured, JMeter)
- **Leadership & Team Management** (Hiring, Mentoring, Performance Reviews, KPI Tracking)
- **CI/CD & DevOps** (Jenkins, Git/GitHub, Azure DevOps, Rally, JIRA)
- **API & System Testing** (REST APIs, Performance Optimization, Microservices Testing)
- **Cloud Technologies** (Azure, Cloud Performance Optimization)
- **Test Plan Creation & Stakeholder Reporting, SDLC, STLC**
- **Agile & SAFe Methodologies**
- **Software Quality Assurance & Validation**
- **Test Framework Development & Integration**
- **Defect Analysis & Troubleshooting**
- **Requirements Management (DOORS, Rally, JIRA)**
- **Metrics & Performance Monitoring** – KPI Reporting, Agile Metrics
- **Tools & Technologies** – JIRA, Confluence, Azure DevOps, Git, Rally, Figma
- **Programming Languages** - C, C++, C#, Python, ST

PROFESSIONAL EXPERIENCE

1. QA Manager & Product Owner | Automation Domain | Asset Intelligence

Rockwell Automation | May 2023 – Present

- Led and mentored a team of test engineers, conducting performance reviews and fostering a culture of excellence.

- Defined and implemented best practices in test automation and quality engineering.
- Developed and executed automation strategies, integrating testing into CI/CD pipelines.
- Managed defect tracking and resolution using Jira and Rally.
- Translated customer needs and market trends into a prioritized road map of features and stories.
- Expert in delivering on Product Owner responsibilities such as gathering requirements, evaluating business impact for prioritization and implement enhancements & bug resolutions. Test and validating data quality and completeness.
- Involved in Decision making on project priorities, conflicts and requirements.
- Partnered with stakeholders to refine product vision and align testing strategies.

2. QA Manager & Product Owner | Locomotive & Mining Domain GE Transportation (Wabtec Corp.) | April 2016 – May 2023

- Managed a team of 7 engineers, overseeing sprint planning, backlog grooming, and execution.
- Created and maintained the solution vision, road map, and backlog of work through the project's life cycle.
- Involved in Decision making on project priorities, conflicts and requirements.
- Designed and developed scalable test automation frameworks for web, mobile, and API testing.
- Led system performance testing using JMeter and cloud-based test environments.
- Established test strategies, ensuring compliance with industry standards.
- Collaborated with product teams to translate customer requirements into testable use cases.
- Training, Guiding, Mentoring and Skill development of new Joiners.

3. Lead QA Engineer | Locomotive & Mining Domain GE Transportation (Wabtec Corp.) | April 2016 – May 2023

- Spearheaded test automation initiatives to improve efficiency and test coverage.
- Led system verification and validation for multiple product lines.
- Developed automation scripts for regression and system testing using Selenium and REST Assured.
- Involved in all stages (end to end) of Software release.
- Automated the Manual tests spanning the whole system.
- Understanding System level requirements and System Architecture of Various subsystems of Digital Mining Team while collaborating extensively with Australia Based Teams and stake holders.
- Overseeing the Team for Tracking, Backlog and User story Acceptance for Validation Team.

- Conducted Review of test results and problem resolution in co-ordination with product development teams.

4. Lead Test Engineer | Aviation Domain

HCL Technologies | Feb 2015 – Feb 2016

- Developed a Python-based automation framework, reducing manual testing efforts.
- Conducted white-box testing and system validation for embedded applications.
- Created the Automation framework and automated the existing Manual tests using PYTHON.
- Automated end to end tests spanning the whole system from front end to the backend
- Creation of Test case script and execution on Actual Hardware to produce result data
- Performance Monitoring of Release Build.
- Creation of Post Procedure Script to validate the result data.

5. Software Engineer | Aviation Domain

Honeywell Technologies & Cyient Ltd. | Dec 2012 – Feb 2015

- Executed black-box and white-box testing for avionics and transportation applications.
- Developed test scripts and validated embedded software solutions.
- Unit testing of subsystems (White Box) using LDRA on C++ Code.
- Software integration testing (White Box).
- Preparing and Executing the Test procedures and test cases
- Test status/ bug reporting using bug reporting tools(Clear Quest).
- Code Review.

EDUCATION

- **B.Tech in Applied Electronics & Instrumentation Engineering | BPUT**
- **Post Graduation in Embedded & VLSI | C-DAC**
- **Certificate in Advanced Artificial Intelligence and Machine Learning (AI/ML) | IIT Madras**

CERTIFICATIONS

- **Professional Scrum Product Owner (PSPO 1)**
- **Six Sigma Green Belt**
- **DevOps Foundation – Lean & Agile**

- **Cloud Computing Basics**
- **Software Security (White & Yellow Belt)**
- **Advanced Certificate in AI & ML | IIT Madras**

AWARDS & RECOGNITION

- Quality Excellence Award 2020 (GE Transportation)
- Bronze Medal for Learn & Adapt to Win (GE Transportation)
- Above & Beyond Award (GE Transportation)
- Outstanding Contribution to Release of A350 (Honeywell)
- Quality Excellence Award (Wabtec Corp.)

PERSONAL DETAILS

- **Name:** Hemant Kumar
- **Date of Birth:** 28/03/1988
- **Father's Name:** Dr. Upendra Tiwari
- **Gender:** Male
- **Marital status:** Married
- **language Known:** English and Hindi and Kannada, Odia.
- **Nationality:** Indian
- **Passport Available:** Yes
- **LinkedIn:** <https://www.linkedin.com/in/hemantkmr>
- **Notice Period:** Immediate Joiner

Declaration: I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Place: Bangalore

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