

Sandeep Kumar Arya

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Summary

QA Lead with 10+ years of experience delivering high-quality FinTech and payment solutions across POS, mobile, and web platforms. Specialized in the banking and payments domain with strong leadership, Agile delivery, and EMV L3 certification experience (RuPay, VISA, MasterCard, AmEx, Diners). Proven leader in defining QA strategy, managing cross-regional teams, and driving end-to-end testing for complex payment flows such as contactless, online, offline, and regulatory-mandated transactions. Strong hands-on background in test automation, host communication testing, and compliance with EMVCo, RBI, and NPCI standards

Skills

- **Card Payments & Certification:** EMV L3 Certification, ISO 8583, Scheme Certification (Visa, Mastercard, RuPay, Amex, Diners)
- **Tools/Frameworks:** Selenium, Appium, Robot Framework, Postman, TestNG
- **Languages:** Java, Python
- **Platforms:** Android POS, Web, Mobile (Android)
- **Version Control:** Git, Bitbucket
- **Databases:** MS SQL Server
- **IDE:** Eclipse, PyCharm, VS Code, Android Studio
- **Methodologies:** Agile (Scrum)
- **Certifications:** Java EE, Selenium (Java), Embedded Systems & Robotics
- **Leadership:** QA Strategy, Team Mentoring, Stakeholder Management

Professional Experience

Ingenico International India Pvt. Ltd. – Noida, India

Mar 2023 – Present

QA Lead

- Leading a QA team across the APAC region for **Android POS payment applications**, with a strong focus on **automated testing as a key enabler**.
- Own end-to-end **EMV L3 certification** activities including test planning, execution, defect triage, and final scheme submissions.
- Spearheading Agile ceremonies: sprint planning, daily stand-ups, retrospectives.
- Managing L3 certifications as per regulatory mandates e.g. EMVCo.(ISO 8583), RBI, NPCI for various schemes such as RuPay (qSPARC, DPAS, UPI, NCMC), VISA, MasterCard, AmEx, Diners.
- Designed test strategy and built automation framework from scratch using Appium, Python, and Robot Framework for android POS to reduce regression testing time.
- Collaborated closely with product, development, and certification teams to resolve critical payment defects and reduce certification cycles.

- Mentored QA engineers and established best practices for payment testing, defect analysis, and certification readiness.
- Leveraged the **PONANT eTASQ Motion robot** to automate non-intrusive functional testing.

Manipal Business Solutions Pvt. Ltd. – Gurugram, India

Jul 2019 – Mar 2023

Test Lead

- Led QA efforts for **AEPS, Card Payment, BBPS, VAS and insurance payment platforms**, handling high-volume transaction flows.
- Managed a team of manual and automation testers, improving delivery predictability and sprint quality.
- Liaised with cross-functional teams: product owners, project managers, developers, business teams.
- Oversaw SDLC deliverables including test plans, scenarios, daily status tracking and release sign-off across multiple Agile sprints.
- Led daily Agile stand-ups and retrospectives to ensure sprint alignment.
- Improved defect leakage rate by implementing structured regression cycles and early test involvement.

Entab Infotech Pvt. Ltd. – New Delhi, India

Jul 2015 – Jun 2019

Senior Software Engineer

- Conducted functional, UI, and regression testing for large-scale ERP application.
- Participated in requirement analysis, test scenario design, and defect lifecycle management.
- Thorough testing of an application along with bug reporting and tracking until they were closed. Authored SRS documents and provided user training post-deployment.
- Built strong foundations in structured testing, client communication, and delivery ownership.

Education

- **Bachelor of Technology in Electronics and Communication Engineering**
Uttar Pradesh Technical University, 2014

Additional Information

- Strong communication skills with experience in client-facing roles and cross-functional teams.
- Effectively leading a diverse team of testers to ensure the smooth execution of testing activities, while consistently meeting deadlines and successfully achieving testing milestones.
- Continuously learning new testing tools and technologies to stay current with industry trends.
- Passionate mentor focused on building high-performing payment QA teams.