

Dibya Jouti Garigabilli

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Professional Summary

Results-driven QA and Test Automation Leader with over **9 years of proven experience** in architecting and scaling robust QA functions across **regulated, fast-paced environments**, particularly in **banking and financial services**. Adept at building **enterprise-grade automation frameworks** from scratch using **Java, JavaScript, TypeScript, Cypress, Selenium, and Cucumber BDD**, with deep expertise in driving **test governance and quality strategy** across Agile teams. Recognised as a **Subject Matter Expert (SME)** in automation, test design, and shift-left practices, with a strong track record of **mentoring engineering teams** and influencing cross-functional delivery. Skilled in **CI/CD integration** using **Jenkins** and **GitHub Actions**, with hands-on experience validating modern web applications (React, NestJS, Vite), APIs, accessibility, and security. Combines technical depth with strategic thinking, stakeholder engagement, and a passion for **driving continuous improvement** and **regulatory compliance** through quality engineering. Known for leading with impact, embedding quality into every stage of the SDLC, and aligning QA direction with organisational goals.

Professional Experience

Automation Test Lead - Wipro Technologies

July 2021 – Aug 2024

Client - Lloyd's Bank - London, UK

- **Led test automation strategy** across high-impact banking applications at Lloyds Bank, achieving **80% test automation coverage**, reducing manual effort by 60%, and accelerating release cycles.
- **Architected scalable BDD frameworks** in **Java, JavaScript, TypeScript** using **Cypress, Playwright, and Selenium**, covering critical **Payments and Lending workflows** (e.g., direct debits, loans, overdrafts), reducing post-release defects by 40%.
- **Drove organisational test governance**, acting as a **Subject Matter Expert (SME)** and implementing **reusable frameworks**, code quality reviews, and best practices across multiple agile squads.
- Developed and maintained CI/CD-integrated test solutions with **Jenkins, GitHub, TestNG, and JUnit**, improving deployment confidence and audit traceability.
- **Collaborated cross-functionally** with developers, architects, and business analysts to embed testability in solution design, derive acceptance criteria, and translate **regulatory/compliance requirements** into risk-based test plans.
- Defined and led QA strategy at programme level, aligning test efforts with risk controls, business outcomes, and release governance across multiple agile teams.
- Mentored and upskilled **5+ engineers**, establishing a **high-performance test culture** and coaching teams in BDD, automation tools, and shift-left testing strategies.
- Initiated early-stage security and accessibility testing with **DAST (Burp Suite)** and tools like **NVDA, JAWS, aXe**, improving vulnerability detection timelines by 20% and enhancing inclusive design compliance.
- Led **defect triage and root cause analysis** sessions, coordinating with developers to resolve critical issues early and maintain stability in production environments.

Senior Quality Engineer-Wipro Technologies

July 2015 – July 2021

Client - Lloyd's Bank / Walmart - Bangalore, India

- Performed comprehensive **manual testing** of web and backend applications, validating business workflows and ensuring alignment with functional requirements in banking and retail domains.
- **Developed and maintained** an advanced **Page Object Model (POM) test automation framework** in **Selenium with Java and JUnit**, enhancing maintainability and scalability of test scripts.
- Tested applications built with **React, NestJS, and Vite**, focusing on dynamic UI behavior, API validation, accessibility, and build performance; automated backend API testing integrated with **Jenkins CI**, enhancing pipeline reliability and reducing deployment errors by **5%**.
- Managed test data creation using **ALM and JIRA**, ensuring thorough documentation and traceability, and handled environment setup for testing; authored and managed test cases, validated financial reports and reconciliations,
- Conducted comprehensive database testing by writing and executing **SQL** queries to ensure data integrity, accurate transactions, and reliable backend processing
- Conducted thorough testing across multiple environments including **SIT, UAT, and production**, ensuring environment-specific validation and issue replication.
- **Enhanced test execution efficiency** by implementing best practices in **test case optimisation, defect management, and automation strategy**.

Education

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| • University of Exeter – MSc Financial Technology | 2024 - 2025 |
| Global Excellence Scholarship Recipient (£7500) Leadership & Extracurricular Activities | |
| • Birla Institute of Technology & Science – MTech Information Technology | 2015 - 2019 |
| • Gayatri Vidya Parishad – BSc Computer Science | 2012 - 2015 |

Tools & Tech Stack:

Automation & Optimisation: Core Java (OOP, Collections, Exception Handling), JavaScript, TypeScript, Python, Selenium WebDriver, Cypress, Playwright, Cucumber BDD, Gherkin, TestNG, JUnit, Postman, Rest Assured, SauceLabs, Jenkins, GitHub Actions, CI/CD Pipelines

Machine Learning & Predictive Modeling: Scikit-learn, Regression Analysis, Forecasting Models, Data-Driven Decision Making

Database Management: SQL, Data Extraction & Transformation, Backend Data Validation, Financial Reconciliation Testing

Testing & Quality Engineering: Manual & Automated Testing, API Testing, UI Testing, Cross-Browser Testing, Regression Testing, Accessibility Testing (NVDA, JAWS, aXe, WAVE), Security Testing (DAST with Burp Suite), Test Case Design, Shift-Left Testing, JMeter, LoadRunner

FinTech & Domain Expertise: Payments & Lending Systems (Direct Debits, Overdrafts, Loans), Core Banking Platforms, Digital Transformation, Risk & Compliance, Regulatory Testing, Financial Modelling, Banking & Financial Services, Digital Transformation & Innovation Management, Risk Management Strategies, Regulatory Compliance

Project Management & Processes: Agile (Scrum, Kanban), SDLC, JIRA, Confluence, Release & Incident Management, Workflow Automation, Test Governance

Soft Skills: Leadership & Mentoring, Stakeholder Engagement, Strategic Planning, Problem Solving, Time Management, Coaching Agile Teams

Languages: English(Fluent), Hindi, Bengali, Telugu

Certifications, Achievements & Leadership

- **Google Data Analytics Certification**
- **Microsoft Certified: Azure Fundamentals**
- **Google Cloud GenAI-L1**
- **Lloyds Banking Project Recognition** – Developed a data-driven framework to enhance process efficiency.
- **Won the 2023 Best Use of AI/Automation in Security Excellence Award** for Wipro in collaboration with Lloyds Bank, recognising innovative automation in security testing.
- **Speaker/Participant at the National Software Testing Conference 2023** – Contributed to discussions on **Sustainability in Quality Engineering** at 31 Media TEST Magazine's flagship event.