

DATTA TAMBE
Senior Software Test Engineer | Data Science Professional
Pune, Maharashtra

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Professional Summary

Senior Software Test Engineer with **9+ years of experience in Manual and Automation Testing** across Telecom, Railway, Pharmaceutical, and Oil & Gas domains. Strong expertise in test planning, test case design, regression, sanity, system, and API testing with hands-on experience in Selenium, JIRA, SQL, and Agile/Scrum methodologies. Proven ability to collaborate with cross-functional teams, identify defects through effective triage and log analysis (Kibana), and ensure high-quality software delivery. **Currently enhancing skills in Data Science and Analytics** to strengthen data-driven testing and quality insights. Seeking a challenging role as a Software Test / QA Engineer / Junior Data Analyst / Data Science role where experience and analytical thinking can add value to business outcomes.

Key Skills

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|--|--------------------|---------------------|
| • Manual Testing | Black Box Testing | Regression Testing |
| • System Testing | Functional Testing | Integration Testing |
| • Smoke Testing | Sanity Testing | Scrum |
| • Automation Testing | Selenium WebDriver | TestNG Framework |
| • Agile | Java | Triage |
| • R | Hadoop | Statistics |
| • Python: Pandas NumPy Matplotlib (data cleaning analysis visualization) | | |
| • SQL: Basic querying filtering aggregations | | |
| • MS Excel (Advanced): Pivot tables formulas trend analysis automated reports | | |
| • Jupyter Notebook: End-to-end analysis workflows and documentation | | |
| • API Testing (Postman/Insomnia/Swagger) | | |

Tools & Technologies

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|--------------|---------|----------|
| • Jira | Jenkins | Postman |
| • Insomnia | Kibana | Selenium |
| • Rally | Tableau | Power BI |
| • Matplotlib | Seaborn | |

Work Experience

Sr. Software Test Engineer | Tech Mahindra | June 2022 – Present

- Collaborated closely with developers, project managers, and stakeholders to achieve project milestones and ensure high-quality deliveries.
- Planned, coordinated, and executed test activities including functional, regression, sanity, and system testing.
- Designed and maintained test strategies, test plans, test cases, and test scenarios aligned with business objectives.
- Identified, logged, prioritized, and tracked defects using **JIRA**, ensuring timely resolution.

- Performed **sanity testing** before regression cycles to validate build stability.
- Implemented and enhanced **test automation frameworks**, improving test coverage and execution efficiency.
- Developed and maintained automated test scripts following coding standards.
- Conducted **issue triage** using auto-triage tools and **Kibana (ELK)** dashboards to analyze logs and failures.
- Identified root causes by correlating test failures with system and application logs.
- Shared triage insights with development teams to accelerate issue resolution.
- Mentored and trained junior testers on testing processes and automation best practices.
- Created user stories and acceptance criteria in **JIRA** based on business requirements.
- Integrated automated test suites into **CI/CD pipelines using Jenkins**, enabling continuous testing and faster feedback cycles.
- Applied **test automation best practices** to improve maintainability, scalability, and execution efficiency.
- Performed **risk-based testing** to optimize test coverage and focus on high-impact areas.

Software Test Engineer | Infotek Software Solution(i-Tek) | Nov 2020 - June 2022

- Reviewed and analyzed system applications to ensure quality, functionality, and compliance with requirements.
- Executed manual and automated test scripts and analyzed test results.
- Reported, tracked, and documented defects and technical issues using standard defect management processes.
- Designed and developed automation test cases for new and existing applications.
- Defined and implemented automation testing strategies for enterprise-level platforms.
- Mentored and trained team members on testing methodologies and automation best practices.
- Created user stories and acceptance criteria in **JIRA** based on business requirements.
- Acted as **Scrum Master**, facilitating Agile ceremonies and ensuring smooth sprint execution.

Software Tester | CSNS | July 2016 – Oct 2020

- Performed **system, functional, regression, acceptance, load, and performance testing** using manual and automation techniques.
- Identified, documented, validated, and tracked software defects to ensure high-quality releases.
- Executed **data-driven testing** using valid and invalid input datasets.
- Conducted **database testing** to verify data integrity, accuracy, and consistency.
- Designed database tables and validated application interaction with **SQL databases**.
- Wrote and executed **SQL queries** to support backend verification and data validation testing.

Project Experience

Sales & Distribution Platform | Verizon | Current

This project supports Verizon's telecom sales ecosystem, covering Telesales, Retail, Indirect Partners, Digital channels, and Omnichannel operations. The application is used for selling mobile phones, accessories, and network devices, along with activation of services and plans.

The system enables end-to-end sales processes including product selection, pricing, promotions, order creation, payment, and fulfillment across multiple sales channels. It ensures a seamless customer experience by synchronizing data between online, call center, and retail platforms.

The platform also integrates inventory availability, device compatibility, and network services to support accurate order processing and faster delivery. It improves sales efficiency, channel consistency, and customer satisfaction for Verizon's large-scale telecom operations.

Asset Tracking Center-ATC | Baker Hughes | 3 Years

Asset Tracking Center (ATC) is an enterprise application used to track and manage assets for the oil and gas industry in the United States. The application is integrated with SAP to monitor assets throughout their lifecycle using Sales Orders (SO) and Purchase Orders (PO). ATC enables real-time visibility of assets from procurement to deployment, ensuring accurate asset movement, availability, and status tracking. Integration with SAP allows seamless synchronization of order details, asset data, and transactional updates. The system improves operational efficiency, inventory accuracy, and compliance for large-scale oil and gas operations.

RVNL(Rail Vikas Nigam Limited) | Indian Rail | 1 Year

Rail Vikas Nigam Limited (RVNL) Functions as an extended arm of the Ministry of Railways (MoR), responsible for implementing rail infrastructure and modernization projects on behalf of Indian Railways. The Railway Inventory Management System is designed to track, manage, and control railway materials and assets across depots, warehouses, and project sites. The application supports inventory planning, procurement, storage, and issue of materials required for railway projects. The system improves inventory visibility, stock accuracy, and operational efficiency, enabling timely availability of materials and better coordination between departments. It also ensures compliance with Indian Railways standards and supports decision-making through accurate inventory data and reporting.

Cyborg Data acquisition system. (CDAQ) | Pharmaceutical Company | 4 Years

Cyborg Data Acquisition System (CDAQ) is a pharmaceutical application used for data acquisition, monitoring, and analysis of stability chambers. The system continuously captures critical environmental parameters such as temperature and humidity from stability chambers used in drug stability studies.

CDAQ ensures data accuracy, integrity, and compliance with pharmaceutical regulatory standards. It provides real-time monitoring, historical data analysis, alerts, and reporting to support stability testing and quality assurance processes. The application helps pharmaceutical organizations maintain regulatory compliance and ensure the safety and quality of pharmaceutical products.

Education

Master in Data Science with Generative AI – Eduinx (2025)
BE Computer Engineering – SPPU (2016) – 63.84%
HSC Science – Maharashtra Board (2010) – 56.17%
SSC – Maharashtra Board (2008) – 67.84%

Certifications

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|---------------------------------|-----------------------------|
| • ISTQB Foundation Level (CTFL) | Diploma in Software Testing |
| • AI White Belt | Automation Selenium L1 |

Additional Information

- **Languages:** English, Hindi, Marathi
- **Core Strengths:** Analytical thinking | Strong process orientation | High attention to detail | Adaptability | Quick learner | Clear communication