

# Rajib Roy

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## Professional Summary

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Technical Lead with strong expertise in automation engineering, fraud systems validation, enterprise integrations, and quality governance across distributed microservices platforms.

Experienced in Core Java, Python, SQL/NoSQL, DevOps, CI/CD, and full-stack technologies (ReactJS, NodeJS). Designed scalable automation ecosystems validating complex ETL transformations, fraud event pipelines, and multi-service integrations.

Currently driving automation innovation in fraud systems while exploring Generative AI applications to enhance testing intelligence and operational efficiency.

## Core Competencies

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Automation Architecture • Fraud Systems Validation • ETL & Data Integrity Testing • API & Microservices Testing • CI/CD Integration • DevOps (Docker, Kubernetes, Azure, Splunk) • Java • Python • ReactJS • NodeJS • SQL/NoSQL • Power BI • Power Automate • Quality Governance (SeaLights) • Generative AI in QA • Agile • JIRA • Confluence

## Professional Experience

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**Technical Lead** Mar 2024 – Present  
**Wipro Canada** — Toronto, ON

**TD Bank – Fraud Detect Platform** Mar 2025 – Present  
Automation Engineer – Fraud Systems

- Designed and implemented automated validation scripts verifying fraud event processing across distributed microservices.
- Automated end-to-end fraud event workflows ensuring accurate source-to-target transformations.
- Built reusable validation components for fraud rules, malcode mappings, and decision engine outputs.
- Implemented API payload comparison mechanisms to ensure data integrity and compliance.
- Enhanced framework with utilities including automated OTP capture from Outlook for secure test execution.
- Integrated fraud automation suites into CI/CD pipelines for faster release cycles.
- Designed enterprise Power BI dashboards for API health monitoring, smoke reporting, automation tracking, user ID management, and execution analytics.
- Developed Power Automate workflows for leave requests, timesheets, and approval tracking.

**TJX Canada – Shared Services** Mar 2024 – Feb 2025  
Automation Lead

- Designed and developed enterprise automation modules using ETAF.
- Led cross-functional API/UI automation initiatives under tight deadlines.
- Coordinated automation design, execution, and stakeholder alignment.

## Technical Lead

Dec 2022 – Mar 2024

**Wipro Limited** — Bengaluru

Enterprise Quality Engineering @ TJX Canada (Retail)

- Automated complex REST/SOAP integration patterns.
- Led architectural discussions ensuring scalable and robust test solutions.
- Mentored engineers and performed regular code reviews.
- Utilized ETAF, EggPlant, SeaLights, VAE, Splunk.
- Worked in Agile using JIRA.

Generative AI Platform (Wipro IP)

- Designed QA automation platform leveraging LLMs.
- Built engine enabling story-to-test creation, Code QnA, and test asset conversations.
- Evaluated emerging LLM technologies for QA optimization.
- Guided front-end and back-end architectural decisions.

## Senior Project Engineer

Dec 2020 – Dec 2022

**Wipro Limited** — Bengaluru

Software Quality Governance (SeaLights) @ PwC

- Implemented SeaLights across 7 applications.
- Built Azure DevOps pipelines.
- Managed Docker containers using Kubernetes/Rancher.

Functionize / VAE (Wipro IP)

- Executed POCs across BFSI, Health, Energy, Retail, Automobile.
- Presented technical demos and supported pre-sales evaluations.

Testing Centre of Excellence (TCoE)

- Contributed to Auto Failure Analysis Bot, API Bot, Test Management Tool, Wipro File Transfer Service.

## Project Engineer

Jun 2018 – Dec 2020

**Wipro Limited** — Bengaluru

Functionize / VAE @ Farmers Insurance Group

- Automated Salesforce testing using Functionize/VAE.
- Built Selenium-Java library integrating Healenium for self-healing locators.

Quality Engineering @ Royal DSM

- Authored test plans and automated UI validations.
- Implemented Galen for CSS validation.
- Automated UI flows using Katalon Studio.
- Integrated Selenium monitoring scripts.

## Education

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**M.Tech. (Online), Artificial Intelligence**

Expected Dec 2026

Indian Institute of Science — Bengaluru

**Bachelor of Technology, Electrical Engineering**

May 2018

National Institute of Technology — Durgapur

First Class • GPA: 7.99/10

**Senior Secondary (ISC)**  
Don Bosco High & Technical School — Kolkata  
Score: 96.25%

Apr 2014

**Secondary (ICSE)**  
St. Aloysius High School — Kolkata  
Score: 96.80%

Apr 2012

## **Languages**

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English (Fluent) • Bengali (Native) • Hindi (Native)