

# DIPANKAR CHAKRABORTY

Automation Engineer | SDET

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## PROFESSIONAL SUMMARY

Quality Engineer with experience across functional/manual testing and automation. Strong expertise in Java-based Selenium automation, BDD (Cucumber), and TestNG, with a solid foundation in test design and Agile delivery. Actively seeking SDET / Automation Engineer roles in product-driven teams.

## TECHNICAL SKILLS

**Programming Languages:** Java (Primary), C#, Python (basic), SQL

**Automation & Frameworks:** Automation Testing, Selenium WebDriver, TestNG, Cucumber (BDD), Pytest, Page Object Model (POM), Data-Driven Testing, TDD, Tapium Framework

**CI/CD & DevOps:** Jenkins, Azure DevOps

**Tools & IDEs:** Git, GitHub Copilot, IntelliJ IDEA, Eclipse, Postman, DBeaver

**Testing Types:** Functional, Regression, Smoke, Integration, UAT, API Testing, Root Cause Analysis

**Databases:** PostgreSQL, SQL Server

**Methodologies:** Agile / Scrum

## PROFESSIONAL EXPERIENCE

### Quality Engineering Analyst (SDET) | Verizon – Infosys | Bangalore, India | Mar 2025 – Present

- Working as a Java-focused SDET, developing and maintaining Selenium-based automation frameworks using Java, TestNG, and Cucumber (BDD).
- Designing and executing BDD test suites with Cucumber and Gherkin, improving test clarity and collaboration with business stakeholders.
- Leveraging GitHub Copilot (Generative AI) to optimize Java Selenium and BDD scripts, reducing automation development time by 30%.
- Optimizing health-check and regression automation suites, improving pass percentage from 60% to 85% and ensuring stable CI builds.
- Integrating automated test suites with CI/CD pipelines to support continuous testing and faster feedback cycles.

### Software Quality Engineer | British Petroleum (BP) – Infosys | Bangalore, India | Sep 2021 – Feb 2025

- Worked primarily as a Lead Functional QA, owning end-to-end functional, regression, integration, and UAT testing for enterprise-scale applications.
- Analysed business and user requirements and translated them into test plans, test scenarios, and detailed test cases, ensuring complete coverage of critical business flows.
- Led test execution cycles, coordinated with multiple stakeholders, and provided quality sign-off for releases in Agile sprints.
- Created high-quality defect reports with clear severity, reproduction steps, and impact analysis, helping reduce defect resolution time by 15%.
- Actively collaborated with developers, business analysts, designers, and project managers throughout the SDLC to ensure timely and high-quality deliveries.
- Performed root cause analysis for production issues impacting end users and supported defect triage discussions.
- Mentored and guided junior QA engineers on test design, defect management, and functional testing best practices.

## EDUCATION

Bachelor of Technology (B.Tech), Electrical Engineering, MAKAUT, West Bengal 2017 – 2021

## CERTIFICATION

- Infosys Global Agile Developer Certification
- Infosys Certified Selenium Automation Tester

## PROJECTS

### Naukri Resume Automation | Java, Selenium, TestNG, Jenkins

- Designed and implemented a custom automation framework to log in, delete, and re-upload resumes on Naukri.
- Integrated with Jenkins scheduler to execute daily at 9:00 AM IST, eliminating manual intervention.
- Saved approximately 30 minutes of manual effort per day and improved profile visibility.