# Rakesh Kumar Singh
## Software Engineer

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Detail oriented and proactive Software Test Engineer with 2+ years of experience in manual and automation testing. Skilled in writing test cases, executing test scenarios, defect tracking, and using automation tools like Selenium and Playwright. Seeking to contribute to quality-driven teams and enhance the end-user experience through robust software testing.

## PROFESSIONAL EXPERIENCE

**Associate Software Test Engineer** – Infinite Convergence Solutions                    **[ Jan 2024 – Present ]**

**Project – Netsfere Omnichannel**
- Performed manual and automation testing for web-based applications in Agile environment
- Participated in requirement analysis, test planning, and review meetings with developers and stakeholders.
- Worked with **Playwright and JavaScript** for UI automation following the Page Object Model.
- Executed backend test scenarios using **Python**-based internal automation framework (P2T).
- Logged and tracked bugs using **JIRA**; collaborated closely with the development team to resolve defects.
- Automated 60% of regression suite, reducing testing time by 40%.

**Customer Portal Automation**
- Automated key user journeys using Playwright + BDD framework.
- Implemented Page Object Model for better maintainability.

**Backend Validation**
- Validated message flow using internal Python-based P2T automation framework.
- Focused on SMPP and HTTP flows for telco clients.

## EXPERIENCE

**Full Stack Developer** (Internship)
**Blitz Technology**, Bengaluru
**Project: Blockchain based management for organ transplantation and donation**
- This project leverages blockchain technology to create a transparent, secure, and tamper-proof system for managing organ transplantation and donation. It ensures real-time tracking of donors and recipients, prevents data manipulation, and maintains privacy through decentralized records. Smart contracts automate donor-recipient matching, enhancing trust, efficiency, and fairness in the organ allocation and transplantation process.

## SKILLS

- **Test Automation** - Selenium WebDriver, Playwright (JS)
- **Domain Knowledge –** Telecom Protocol – SMPP, HTTP, SMTP, ESME, MO/MT flows
- **Languages** - Java, JavaScript, Python
- **Frameworks** - POM, BDD, P2T
- **Defect Tracking** - JIRA,
- **Test Management** - Zephyr
- **Build Tools** - Jenkins
- **Version Control** - Git, GitHub
- **Databases** – MySQL
- **API Testing –** Postman

## EDUCATION

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|---|---|---|
| **Master of Computer Application** - CMR Institute of Technology, Bengaluru - 8.16 CGPA | | **2021 - 2023** |
| **Bachelor of Computer Application** – Makhanlal Chaturvedi University, Bhopal - 8.02 CGPA | | **2018 - 2021** |

## CERIFICATIONS

- Automation Testing with Selenium – Udemy
- Playwright Automation with JavaScript – Internal Training
- Full Stack Web Development – TAP Academy
- Foundation of web Development - Ethnus codemitra
- Google Data Analytics - Cousera