**Partha Sarathy Roy**

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**Senior Quality Engineer - Automation**

Automation Solution Architect | Automation Solution Designer | Python QA Expert

*An accomplished expert in Test Automation solution design, coding and framework development with a solid record delivering enterprise solutions across industries.*

Quality Automation Solution Designer with 13+ years' hands-on expertise transforming technology to deliver on business objectives. History of developing large-scale automation frameworks on latest technologies for financial and insurance enterprises across Canada, USA, and Hong Kong. Talent for articulating and driving strategies that cut costs while boosting productivity and efficiency according to client needs. Versatile multi-tasking professional, readily provide hands-on leadership across multi-functional teams and leverage depth of technical skills to accomplish challenging objectives. Five-time winner of prestigious technical excellence and teamwork awards throughout progressively responsible career.

Automation Architect• Web Automation • Web Services Automation

ETL Automation •Mainframe Automation • End to End testing

Project Management •Test Life Cycle Management•

# Technical Proficiencies

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| Programming/Scripting | Python, Java, JavaScript, PHP, HTML / CSS, SQL, Cobol, JCL & REXX |
| Frameworks & Packages | Selenium, ROBOT Framework, TestNg, Rest Assured, Fitnesse, Postman, Spark, Django, NumPy, SciPy, Pandas, NLTK & MVS |
| Data Management | DB2, SQL Server, Oracle, VSAM |
| Software Configuration Management | Git, Maven, Jenkins,JIRA, Confluence, Endevor & Changeman |

# Professional Experience

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| **Senior Quality Architect - Automation** | Cognizant Technology Solutions, |
| March 2014 - Present | Ontario, Hong Kong, and India |

Lead and mentor technical teams averaging five members to deliver range of QA Automation platform and tools that support brokerage services, investment banking, payment processing, and insurance operations for high profile international financial institutions and insurance companies.

### Key Achievements:

* Designed and developed robust scalable Python, Java, Selenium and ROBOT automation script that increased efficiency of data migration, meta data comparison & GUI validation by 40%.
* Devised highly responsive Python QA automation platform for ETL migration validation
* Utilized Python /Java to create post-production data audit that reduced support costs by 30%.
* Created Python machine learning QA automation models to predict potential issues.
* Developed Rest API automation scripts for Web Services Testing.

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| **Senior Software Engineer** | R. S. Software India Ltd, |
| May 2012 - March 2014 | USA & India |

### Led teams to devise and implement variety of tools that facilitated growth and improved efficiency for international financial institutions and insurance firms.

### Key Achievements:

* Pitched and developed Python apps for creation of COBOL programs, resulting in reduced development costs and shortened timeline by 35%.
* Architected solution that prevented memory crash in batch streams of high processing card payments.

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| **Software Engineer** | Cognizant Technology Solutions, |
| December 2006 - May 2012 | USA and India |

### Key Achievements:

* Developed an automation mainframe application to swap funds across branches.
* Integrated mainframe retirement brokerage platforms of leading financial institution, increasing efficiency by 50%.
* Enhanced mainframe to comply with new regulations and support changing business needs.

# Education & Credentials

**Bachelor of Science in Technology, Concentration in Electronics & Communication Engineering** (2006)

Kalyani Government Engineering College, Kalyani, India

*8.67 GPA*

## Technical Certifications

Python Basic (HackeRank)

Machine Learning, Data Science and Deep Learning With Python (Udemy)

Machine Learning, Stanford Online (Coursera)

## Awards

Associate of the Year, 2007, Cognizant (Youngest recipient)

Two-time winner of “Shared Success” for technical excellence awarded by customers, Cognizant

Dream Team, Cognizant BFS, for teamwork and dedication.

Above & Beyond, Cognizant