

# Tathagata Basu

QA Engineer (Data Analyst | Python | SQL | PowerBI | Selenium | POSTMAN | JIRA | ASANA)

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<https://www.linkedin.com/in/basutathagata/>

<https://github.com/tgbasu/MachineLearningModels>

Experienced Software Engineer | QA | Data Analysis | Automation Testing | Bug Fixing | Programming Languages | Team Leadership | Data Visualization | Technical Communication | Agile Environment

**Summary:** A highly skilled professional with 8.5 years of experience in Data Analysis and Quality Assurance Engineering. Proficient in statistical methodologies, data cleansing, and visualization, they have delivered actionable insights for informed decision-making. With expertise in Python, R, and SQL, they excel at identifying patterns and correlations in complex datasets. As a Quality Assurance Engineer, their meticulous approach to testing and automation with Selenium and JUnit has accelerated release cycles and improved product reliability. Adept at problem-solving and collaboration, they effectively communicate with stakeholders and drive innovation. Known for delivering high-quality results within tight deadlines. Developed and deployed a data visualization tool, enhancing the efficiency of the QA team. Proficiently communicated complex technical information to both technical and non-technical audiences. Collaborated within a team to deliver high-quality software products within set deadlines and budgets.

Python | PowerBI | Jupyter Notebook | Machine Learning | Selenium | Node.js (React/JavaScript) | POSTMAN | SQL | HTML5 | Cascading Style Sheets (CSS) | JMeter | Git | GitHub | AWS | Google Collab | GCP | Azure  
Network Protocol (TCP, HTTPS, SNMP)

## PROFESSIONAL EXPERIENCE

Ascendum KPS Pvt. Ltd.

Sep '21 - Present

QA Engineer

Kolkata (Remote)

Skilled in implementing automated testing solutions using tools such as Selenium, Python, and regex to ensure accurate classification of loan and mortgage documents, streamlining processing time and improving efficiency.

Recognized for expertise in automating manual workflows in the loan and mortgage field, resulting in increased speed to market and enhanced Service Level Agreement (SLA) for document classification.

Proficient in utilizing advanced statistical techniques and tools like Excel, V-lookup, Chi-square, and statistical distributions (Normal and T-distribution) to evaluate and analyze loan and mortgage datasets, identifying insights and patterns that drive informed decision-making.

Experienced in creating impactful BI dashboards in Tableau, delivering comprehensive loan and mortgage reports that provide actionable insights and support data-driven strategies for business growth.

**VMware India Pvt. Ltd.**

Sep '18 – Apr'21

**Senior Analyst**

**Bangalore**

Implement automated testing solutions using Selenium, Python, Java, and Autolt to ensure the quality and reliability of software applications in the BFSI (Banking, Financial Services, and Insurance) domain.

Identify and report software defects, track issues, and collaborate with development teams to ensure timely resolution and delivery of high-quality software solutions.

Utilize Python, SQL, and other data analysis tools to extract, transform, and analyze BFSI datasets, including customer financial transactions, market trends, and risk assessment data.

Collaborate with cross-functional teams to identify trends, patterns, and actionable insights from BFSI data to drive business growth, risk mitigation, and compliance adherence.

**Anheuser-Busch (AbINbev) [Same responsibility as Accenture]**

Mar '18 – Sep'18

**Accenture India Pvt. Ltd (joined AbINbev as Client but got absorbed later)**

Feb'16 – Feb'18

Develop and execute comprehensive test plans, including functional, regression, and integration testing, to validate FMCG software functionalities and optimize the user experience.

Implement and enhance test automation frameworks, methodologies, and tools to optimize testing efficiency and effectiveness within the FMCG domain.

Utilize Python and SQL to extract, transform, and analyze FMCG data, including sales, inventory, and customer data, to derive valuable insights and support data-driven decision-making processes.

Collaborate with cross-functional teams to identify trends, patterns, and opportunities for optimization, leveraging data analysis techniques specific to FMCG business processes.

**Oracle India Pvt. Ltd.**

Apr '14 – Oct'15

**Analyst**

**Bangalore**

Support financial analysis activities within the Cloud Computing domain, including cost optimization, budgeting, and forecasting. Assist in conducting User Acceptance Testing (UAT) for financial systems and applications, ensuring accuracy and functionality while adhering to industry standards.

Collaborate with cross-functional teams to gather financial data, analyze trends, and provide insights to support decision-making and drive financial performance.

Utilize Power BI and Oracle Business Suite to generate comprehensive financial reports and dashboards, providing stakeholders with actionable insights for strategic planning and financial management within the Cloud Computing industry.

## **CERTIFICATION**

Currently pursuing Micro master's in Business Analytics and Datascience: Hero Vired Jul '22 - Jul '23

Certified in Automation testing with Java/Selenium Nov'22

Udemy courses on API testing, CI/CD Pipeline / Full-Stack Python

## EDUCATION

Pailan College of Management and Technology  
Master of Computer Applications

Jun '13  
Kolkata

Calcutta Institute of Engineering and Management  
Bachelor of Computer Applications

Jun '10  
Kolkata