# Get Bloomberg Certified | Martin Tuchman School of ManagementA logo with a purple circle Description automatically generatedA logo for a company Description automatically generatedAshwin Meenakshi Sundaram

# Sr. Business Systems Analyst

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| Senior Business Systems Analyst with over 8 years of experience in Finance, Mortgage, and Government Financial sectors. Expert in optimizing business processes and aligning IT solutions with organizational goals. Proven track record in compliance and risk assessment, including Basel III, Dodd-Frank, and SOX. Skilled in Agile methodologies like Scrum and SAFe for managing complex projects. Proficient in data analysis and visualization using Tableau, Power BI, and Excel. Experienced in gathering business requirements, leading cross-functional teams, and using IT tools like JIRA, Visio, and ServiceNow to drive efficiency and innovation. |

# PROFESSIONAL SUMMARY:

* Experienced finance professional with a strong background in **financial analysis**, **risk assessment**, and **portfolio management**. Adept at optimizing **asset allocation** in **Capital Markets** to maximize returns and minimize risks. Expertise in asset classes such as **Equities**, **Rates**, and **Commodities**, including **Derivatives**, **Exotic**, **Foreign Exchange Transactions**, and **Structured products**. Extensive experience in **mortgage underwriting**, **loan origination**, **credit analysis**, and **regulatory compliance**, including **Anti-Money Laundering (AML)**, **Know Your Customer (KYC)**, **Sarbanes-Oxley Act (SOX)**, **Dodd-Frank**, **Basel III**, **International Financial Reporting Standards (IFRS)**, **FINRA**, and **GAAP**.
* Skilled in managing complex software development (SDLC) projects using **Waterfall**, Agile methodologies (**Scrum**), hybrid methods like **Water-Scrum-Fall**, **Extreme Programming** (XP), **Scaled Agile Framework** (**SAFe**), **Kanban**, **Scrumban**.
* Facilitated collaboration among business and technical stakeholders to gather functional and non-functional requirements through **JAD** sessions, **interviews**, **brainstorming**, **requirements workshops**, **surveys**, **document analysis**, **focus groups**, **SWOT analysis**, **interface analysis**, **user feedback sessions and prototyping.**
* Extensive experience working with project stakeholders, including **business owners**, **subject matter experts** (**SMEs), end-users**, and **staff**, to understand **high-level business requirements** and detailed specifications for new applications.
* **Proficient** in conducting **feasibility studies**, **root cause analysis**, **cost-benefit analysis**, **impact analysis** to thoroughly assess **project needs**. Successfully conducted **gap** and **risk analyses** to deeply understand **business processes** and effectively assisted **project managers** in creating **Work breakdown structures (WBS)** and **critical path analysis (CPA)** for optimal planning.
* Authored key project documents such as **project charters**, **project plans**, **release plans**, **business requirement documents** (BRD), **functional requirement documents** (FRD), **system requirement specifications** (SRS), **RACI** **matrices**, **Statement of Work (SOW),** **design documents**, **change management plans**, **risk management plans** and **test plans**.
* Skilled in creating **Unified Modeling Language (UML)** diagrams,including **use case, activity, and sequence diagrams,** using a variety of advanced tools like **MS Visio and Lucidchart** to enhance effective system visualization.
* Effectively communicated project details using business presentation tools such as **Prezi**, **Video Scribe**, and **Microsoft Events**.
* Developed high and low fidelity prototypes, wireframes, and mock-ups to visualize graphical user interfaces (GUI) for business users and technical teams using tools like **Balsamiq, Mockups,** and **LucidChart**, ensuring clear communication.
* Experienced in leveraging **DEEP** and **DIVE** criteria for prioritizing product backlogs, applying **INVEST** for decomposing epics into user stories, and using **SMART** criteria for defining tasks. Proficient in utilizing **JIRA** for writing and tracking **user stories**, ensuring meticulous project management and successful outcomes within the predefined **Release Schedule.**
* Prepared features, epics, user stories, user acceptance criteria, user story maps, and defined **minimum viable products** (MVP), **definition of ready** (DoR), and **definition of done** (DoD), ensuring stakeholder alignment.
* Extensive experience with Scrum ceremonies, including **backlog refinement meetings, release planning, sprint planning, daily stand-ups, sprint reviews, and sprint retrospectives**, ensuring team cohesion and continuous improvement.
* Engaged Scrum teams in prioritization techniques such as **MOSCOW, KANO model**, **100 Point Method**, **RICE**, and estimation techniques like **planning poker**, **T-shirt sizing**, **relative mass valuation**, **bucket system**, **DOT voting**, and retrospective techniques like **silent writing**, **mad-sad-glad**, **sailboat**, and feedback sessions for continuous improvement.
* Expertise in effectively managing change requests, ensuring meticulous documentation and prioritization according to their impact and urgency, leveraging **ServiceNow** for seamless creation, tracking and solving of various **Change requests**.
* Skilled in conducting thorough impact analysis for change requests, using tools like **IBM Rational DOORS** to assess the impact on existing systems, processes, and documentation, ensuring alignment with project goals and timelines.
* Created and validated conceptual and logical data models, **source-to-target data mapping documents**, **data normalization** and **de-normalization**, **dimension** and **fact tables**, and **OLAP operations** (slice, dice, roll-up, drill-down, pivot).
* Managed projects with multi-tier architecture and service-oriented architectures (SOA), integrating various tools such as **Cucumber, Selenium Grid, Junit, SOAP-UI, Eclipse, Jenkins, Maven** for enhanced automation and efficiency.
* Exceptional skills in **test-driven development** (TDD), **behavior-driven development** (BDD), and **acceptance test-driven development** (ATDD). Experienced in crafting **user acceptance tests (UAT), test plans, and test case development**.
* Skilled in designing detailed test cases and maintaining test case repositories in **JIRA**, ensuring traceability to business requirements, thorough validation of functionalities, and efficient defect identification, promoting high-quality code.
* Proficient in **Selenium WebDriver, HP ALM** for crafting and executing automated **test scripts**, **streamlining test execution**, minimizing **manual testing workload**, and significantly enhancing both test coverage and overall application reliability.
* **Skilled** in **data analytics** with a focus on deriving **actionable insights** and analyzing **patterns** to drive **strategic decisions**. **Proficient** in utilizing tools like **Google Analytics** to ensure informed **decision-making** and enhance **operational efficiency**.
* Proficient in crafting impactful visualizations such as bar graphs, heat maps, interactive dashboards, and ad-hoc reports using **Tableau** and **Power BI**. These tools enable data-driven decision-making and enhance organizational insights.

**Technical Skills:**

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| Software Development Life Cycle | Agile-Scrum, Scrum-Waterfall, Waterfall, XP, SAFe, RUP, Spiral, Kanban, Scrumban |
| Testing Tools | HP-QC/ALM, Cucumber, Load Runner, POSTMAN, SWAGGER, Selenium |
| Business Skills | Change Management, Impact Analysis, JAD Sessions, Project Planning, Project Scheduling, Issue Management, Conflict Management |
| Business Modelling Tools | MS Visio, Lucid Charts, Balsamiq |
| Financial Systems | Advent Geneva, Basel III, SOX, Dodd-Frank, TILA, RESPA, ECOA |
| Project Management Tools | JIRA, HP ALM, Microsoft DevOps, MS SharePoint, Confluence, ServiceNow |
| BI and Reporting tools | Tableau, MS Office Suite (Excel, Word, PowerPoint), Prezi, SQL Server Reporting Service (SSRS), Power BI |
| Architecture/Framework | Service Oriented Architecture (SOA), 3-Tier Architecture, n-Tier Architecture |
| Databases and ETL Tools | MS SQL Server, MySQL, Oracle, Informatica Power Center and Cloud |
| Data Modeling | Conceptual, Logical, Physical, E-R Diagrams, Dimensional Data Models, Star, Snowflake schema |
| Data Warehousing | EDW, Data marts, ETL, OLTP, OLAP, Slice/Dice, Drill Down/Roll Up, Pivot |

**PROFFESIONAL EXPERIENCE**

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| **The Vanguard Group, Inc. |Malvern, PA Sep 2023 - Present**  Sr. Business Systems Analyst  **Stock Suggestion and Prediction Feature using Machine learning Models.**  The primary objective of this project was to develop an advanced artificial intelligence and machine learning model to empower our financial analysts with enhanced decision-making capabilities for portfolio rebalancing and construction. By harnessing the power of cutting-edge algorithms and data-driven insights, we aimed to streamline the portfolio management process while mitigating the inherent biases associated with traditional approaches. |

**Roles and Responsibilities:**

* Elicited detailed business requirements through **Joint Application Design (JAD) sessions**, comprehensive interviews, and thorough interface analysis with **financial analysts** and **portfolio managers** to gain a deep understanding of their specific needs in portfolio rebalancing and construction, ensuring that all aspects of their requirements were fully addressed and documented.
* Led the integration of advanced AI and machine learning models **into portfolio management systems**, enhancing decision-making for asset allocation and rebalancing strategies. Focused on optimizing **asset classes such as Equities and Commodities, driving significant improvements in investment returns.**
* Collaborated closely with **Subject Matter Experts (SMEs)** to conduct a thorough pre-analysis of the existing portfolio management system and performed an **in-depth GAP** analysis to meticulously document the **current (AS-IS)** and **target (TO-BE)** business processes, comprehensively identifying key areas for strategic improvement and alignment with organizational goals.
* Actively assisted in facilitating various **Scrum ceremonies**, including **Backlog Grooming**, **Sprint Planning**, **Daily Stand-ups**, **Sprint Review**, and **Sprint Retrospective**. Additionally, used **JIRA** to convert requirements into detailed **user stories** and regularly assisted the **Product Owner** in defining **Acceptance Criteria** and the **Definition of Done (DOD)** for each user story.
* Converted **functional requirements** into **technical specifications**, including detailed **Prototypes**, **Graphical User Interface (GUI)**, and **User Interface (UI) mock-ups** using advanced tools like **Balsamiq** to ensure clarity and precision.
* Created detailed **Use Case diagrams**, **Use Case Templates**, and **process flow diagrams** using **MS Visio** to visually represent the system requirements, workflows, and key interactions for improved clarity and communication.
* Identified and gathered relevant financial data from multiple sources like **Alpha Vantage, Bloomberg and Morningstar**, ensuring data quality and completeness for use in machine learning models. Performed **CRUD** operations on **SQL** using **SELECT** and **JOIN** to pull data from various sources. This data was transformed using various transformation logic such as **aggregator, sort, joiner.**
* Assisted in implementing a temporary database to collect required data used to create **Machine Leaning models** **(Random Forest, XG-Boost and LSTM)**, performed data analysis and data profiling to get rid of incorrect and redundant data.
* Assisted in **Data Modeling**, helped in creating **Conceptual, Logical and Physica**l data models in the **E-R Model** in the form of entities and relationships to capture the user requirements properly in the underlying database.
* **Tested API endpoints** using Web methods **GET, POST, DELETE, PATCH and PUT**. To make sure the API meets expectations of the clients and used **POSTMAN** to execute **HTTP requests** **and validate the response, response time, and error code.**
* Assisted the **Quality Analyst** team to write a comprehensive **Test Plan**, **Test Case**, **Test Script**, **Test Data**, and **Test Scenario**, created and updated the **Requirements Traceability Matrix (RTM)** to ensure full coverage and accuracy in testing.
* Performed **User Acceptance Testing (UAT)**, actively participated in and facilitated comprehensive testing of the system during **Smoke Testing**, **Integration Testing**, **Black Box Testing**, and **Regression Testing** to ensure reliability and functionality.
* Performed **defect analysis** and analyzed and documented the defects in **JIRA** and tracked the changes.
* Developed interactive dashboards using **BI** tools to provide real-time insights into stock predictions and portfolio performance.
* Created **standard** and **ad-hoc** **reports** to present model results and business impacts to stakeholders.

Environment: Agile-SaFe, Jira (v.7.0), Confluence (v.6.4), Informatica PowerCenter (v.9.6.1), ServiceNow, Figma, Balsamiq, MS Visio (v.16), Prezi, Salesforce, SFDC, SFMC, Kafka, Hadoop Hive HDFS, SQL, Kibana, Cucumber (v.3.0).

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| **State of Illinois | Chicago, IL Oct 2022 – Sep 2023**  Sr. Business Systems Analyst  **Illinois Financial Reporting & Accountability (IL-FRA) System Modernization**  The Illinois Financial Reporting & Accountability (IL-FRA) System Modernization Project was initiated to upgrade and consolidate the state's financial management systems. The project, launched in 2020, aimed to enhance the transparency, accuracy, and efficiency of financial reporting and accountability across various state agencies. The main objective was to Merge disparate financial reporting systems into a unified, modern platform and improve planning, budgeting and reporting capabilities. |

**Roles and Responsibilities:**

* Developed comprehensive understanding of procedures through **stakeholder interactions**, conducted **GAP** and **feasibility analysis** on documents, and assisted the **Project Manager (PM)** and **Product Owner (PO)** in planning transitions.
* Conducted **Root Cause**, **SWOT**, and **Feasibility analyses** to fully understand the current system state, performed detailed **Cash Flow analysis**, and prepared comprehensive summary reports on cash inflow and outflow trends.
* Acted as a liaison between **business stakeholders** and **Agile teams**, facilitating effective communication to ensure a shared understanding of goals, priorities, and expectations for upcoming increments and fostering collaborative team environments.
* Gathered comprehensive requirements using various **elicitation techniques** such as **JAD sessions**, **stakeholder** and **SME interviews**, and detailed **policy and procedure reviews** to ensure clarity and alignment with business goals.
* Assisted in preparing **System Requirement Specifications (SRS)**, created **Business Requirement Documents (BRD)**, **Functional Requirement Specifications (FRS)**, and **Statement of Work (SOW)** ensuring accuracy and validation.
* Utilized **Microsoft Visio** to create **use cases**, **process flows**, **activity and sequence diagrams**, and **BPMN diagrams**.
* Executed methodical walkthroughs using **workflow diagrams** to conduct comprehensive process analysis for **Business Process Improvement** and modeling, including detailed **Process Models** and **System Flow Charts** to enhance operational efficiency.
* Contributed to the modernization of financial management systems by analyzing and **optimizing asset tracking and reporting** processes across state agencies. Improved **transparency and accuracy** in financial reporting through effective **data integration and process enhancements.**
* Contributed to **data modeling** by designing comprehensive **database schemas** (**Star** and **Snowflake**), conceptual and logical diagrams, and **Entity Relationship (ER) diagrams** to aid in accurate and efficient **data warehouse structure creation**.
* Employed sub-queries for **data retrieval** and validation, including **joins, updates, deletes, and insert** SQL queries for analysis.
* Collaborated closely with the **data engineering team** to design efficient **ETL processes** using **MS SQL Server Integration Services (SSIS)** for seamless data extraction, transformation, and loading **(ETL)** into the **Enterprise Data Warehouse (EDW)**.
* Provided **Business Intelligence (BI)** through effective **Ad Hoc reporting** using **Tableau**, facilitating comprehensive expenditure tracking and informed, data-driven decision-making for key **stakeholders** and executives in real-time scenarios.
* Developed training materials and conducted workshops to educate end-users on **ITIL processes and ITSM tools**.
* Collaborated with **QA team** to design and create **test cases**, **test data**, **test scripts**, **test scenarios**, and **test plans** for various testing phases, including **UAT**, **functional**, **performance**, **stress**, **load**, and **regression testing**.
* Performed **User Acceptance Testing (UAT)**, actively participated in and facilitated rigorous testing of the system during **Smoke Testing**, **Integration Testing**, **Black Box Testing**, and **Regression Testing** to ensure overall system reliability and performance.
* Monitored **system performance metrics**, identified bottlenecks or inefficiencies during releases, and collaborated with **technical teams** to implement necessary enhancements or upgrades, maintaining system **reliability**, **scalability**, **responsiveness**.

Environment: Waterfall, MS Office (MS Word, MS Excel, MS PowerPoint, MS Visio), ServiceNow, Figma, Tableau (V2020.1), MS Project, HP ALM (V1.4), SSRS, MSSQL Server, MS SharePoint (V16.0.1), JIRA (V6.6.7), Informatica PowerCenter.

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| **Capital One Bank | McLean, VA May 2021 – Jul 2022**  Sr. Business Systems Analyst  **Implementation of a Centralized Basel III Compliance Framework**  Implementation of a centralized Basel III compliance framework to enhance risk management practices, ensure regulatory compliance, and establish robust data governance across the organization. Automate risk data aggregation, reporting, and stress testing capabilities. Develop and integrate advanced analytics tools for capital adequacy calculation, liquidity risk management, and risk-weighted assets optimization. |

**Roles and Responsibilities:**

* Conducted in-depth **requirements gathering sessions** with **stakeholders** to understand **Basel III compliance** needs and business objectives by performing various elicitation techniques such as **Brainstorming**, **document analysis** & **JAD Sessions.**
* Collaborated with **SMEs** to perform **gap analysis**, identifying discrepancies between current practices and **Basel III requirements**.
* Authored detailed **Business Requirements Documents (BRDs)**, **Statement of Work (SOW)**, and **Functional Specifications**, aligning them with relevant **regulatory standards** and overall organizational goals to ensure successful project implementation.
* Conducted **story writing workshops** and assisted the **Product Owner (PO)** in writing detailed **user stories**, acceptance criteria in **Gherkin’s Format** using **Cucumber**, and framing the **Definition of Done (DOD)**. Also assisted the PO in prioritizing and estimating the user stories and defined the **Minimum Viable Product (MVP)** for the project's initial release.
* Performed various analyses like **cost-benefit analysis** and **gap analysis**, identified potential **business risks** & created detailed **process flow diagrams**, **use case** & **activity diagrams** using **Lucidchart** to support decision-making and planning processes.
* Established a centralized **data repository** to facilitate seamless **risk data aggregation** and **Basel III reporting**.
* Evaluated potential solutions for the **Basel III compliance framework**, carefully weighing the benefits and drawbacks of building custom solutions versus purchasing existing software to ensure optimal regulatory compliance and operational efficiency.
* Partnered with IT operations, security, and compliance teams to ensure that **CMDB and ITSM tools** met organizational needs.
* Coordinated with **IT teams** to integrate advanced **analytics tools** for accurate **capital adequacy calculations**, effective **liquidity risk management**, and optimization of **risk-weighted assets** to enhance financial stability and regulatory compliance.
* Created detailed **data mapping specification documents**, assisted in performing efficient **ETL operations** using **Informatica**, and helped coordinate the construction of complex **OLAP queries** to facilitate advanced data analysis and reporting.
* Performed **User Acceptance Testing,** actively participated in and facilitated comprehensive testing of the system during **Smoke Testing**, **Integration Testing**, **Black Box Testing**, and **Regression Testing** to ensure system stability, reliability, and performance.
* Reviewed the **source data** using **SQL queries** and performed **data profiling** to remove incorrect and redundant data.
* Used **APIs** to connect to the **cloud data warehouse** and used the data to create customized **reports** and **dashboards** using **Tableau**.
* Assisted testers in writing **test cases** and was involved in various **functional testing** and performed **UAT**.

Environment: Agile-Scrum, Jira (v.7.0), Confluence (v.6.4), Informatica PowerCenter (v.9.6.1), Balsamiq, MS Visio (v.16), Prezi, Salesforce, SFDC, SFMC, Kafka, Hadoop Hive HDFS, MySQL, Kibana, Cucumber (v.3.0).

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| **Aditya Birla Housing Finance | Bengaluru, India Jun 2019 – Apr 2021**  Business Systems Analyst  **Mortgage Lending Compliance Automation Initiative**  Mortgage Lending Compliance Automation Initiative was a solution designed to integrate an automated compliance validation engine within the existing Loan Origination System. The project scope encompasses regulatory rule mapping, data integration, audit trailing, and continuous compliance monitoring processes. Collaborated with cross-functional stakeholders to architect a streamlined solution for validating loan applications against evolving regulatory mandates (TILA, RESPA, ECOA), industry best practices, and internal risk policies. Automated formerly manual compliance checks to drive operational efficiencies while ensuring adherence to governing compliance frameworks. |

**Roles and Responsibilities:**

* Conducted comprehensive **requirements gathering sessions** with **stakeholders** to thoroughly understand the needs for automating compliance validation within the **Loan Origination System,** ensuring alignment with regulatory standards and business objectives.
* Collaborated with **Subject Matter Experts (SMEs)** to meticulously map regulatory rules related to **TILA**, **RESPA**, **ECOA**, and internal **risk policies**, ensuring all requirements were accurately captured and implemented effectively.
* Developed detailed **BRDs** and **Functional Specifications** to guide the development of the compliance automation solution.
* Mapped and documented critical **regulatory requirements** and **industry best practices** to be seamlessly integrated into the automated compliance validation engine, ensuring accuracy, consistency, and adherence to all relevant standards.
* Worked with **legal** and **compliance teams** to stay updated on regulatory changes and adjust rule mappings accordingly.
* Coordinated with **IT** and **development teams** to integrate the **compliance validation engine** with the existing **Loan Origination System (LOS)**, ensuring seamless data flow and system interoperability for enhanced operational efficiency and compliance.
* Implemented **data integration processes** to consolidate data from various sources, maintaining data **accuracy** and **integrity**.
* Developed and enforced **data validation rules** to ensure high-quality data inputs for the compliance validation engine.
* Led the initiative to automate formerly manual compliance checks, significantly enhancing **operational efficiency** and **accuracy**.
* Designed and implemented **automated workflows** to validate loan applications against regulatory mandates and internal policies.
* Collaborated closely with **developers** to build and rigorously test the **compliance validation engine**, ensuring it met all critical **functional** and **performance requirements** for optimal operational effectiveness and compliance.
* Established comprehensive **audit trailing mechanisms** to track compliance validation activities and ensure traceability.
* Implemented continuous **compliance monitoring** processes to proactively identify and address compliance issues.
* Developed **dashboards** and **reports** to provide real-time insights into compliance status and audit trails for regulatory reviews.

Environment: Agile-Scrum, UML, MS-Visio (V1910), MS-Project, JIRA (V8.0.3), Swagger (V2.0.12), Tableau (V2019.1), MS SQL server, Postman (V7.1), LoadRunner, Informatica PowerCenter (V10.4.0).

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| **HDFC Ltd. | Bengaluru, India Jun 2017 – May 2019**  Business Analyst  **Online Banking Facility**  The scope of the project was to provide online banking facilities to its customers. The project aimed at building software that would facilitate viewing of multiple account balances, statements, pending transactions and cancelled transactions, tracking deposits, transfer of funds between accounts, transfer history and maintenance of customer profile. |

**Roles and Responsibilities:**

* Conducted **requirements elicitation sessions** with **stakeholders**, like **bank management**, **IT teams**, and **end-users**, to thoroughly understand the needs & expectations for the online banking facility, ensuring alignment with business goals & customer satisfaction.
* Collaborated with **Subject Matter Experts** to gather detailed requirements for features like **viewing account balances**, **transaction statements**, **pending and cancelled transactions**, **deposit tracking**, **fund transfers**, & **customer profile maintenance**.
* Developed detailed **Business Requirements Documents (BRDs)** and **Functional Specifications** to effectively guide the **software development process**, ensuring all user and business requirements were accurately captured and fully addressed in the solution.
* Worked closely with **UX/UI designers** to create intuitive and user-friendly **interfaces** for the **online banking system**.
* Conducted extensive **user testing sessions** to gather valuable feedback on design and functionality of the system, ensuring it met user expectations and provided a seamless, intuitive user experience across all interfaces, enhancing usability and satisfaction levels.
* Coordinated closely with **IT** and **development teams** to integrate data from various **banking systems**, ensuring seamless data flow and consistency across the entire online banking platform for improved reliability, security, and system performance.
* Implemented **data validation rules** and **quality assurance processes** to maintain high standards of **data integrity** and **accuracy**.
* Led the development and implementation of key features, including **viewing of multiple account balances**, **transaction statements**, **pending and cancelled transactions**, **deposit tracking**, **fund transfers**, and **customer profile maintenance**.

Environment: Waterfall- Scrum Hybrid, MS Word, MS Excel, MS PowerPoint, MS Visio, My SQL, HP Quality Centre (V11.5x).

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| **Vogo Automotive Pvt Ltd. May 2016 – Mar 2017**  Business Analyst  **Production of IoT devices for a Two-wheeler Rental Company**  Vogo developed proprietary IoT devices integrated into their two-wheelers. These devices enabled real-time GPS tracking, remote diagnostics, and usage monitoring, significantly improving operational efficiency and user experience. These IoT devices were tested for ensuring high accuracy and reliability in location data, seamless integration with the rental platform, and robust performance under various conditions. |

**Roles and Responsibilities:**

* Designed, developed, and implemented automated **test scripts**, **test cases**, and **scenarios** for the **IoT device**, ensuring comprehensive coverage of all functional and non-functional requirements to guarantee optimal device performance and reliability.
* Conducted in-depth analysis of requirements gathered from **business stakeholders** and **SMEs** to develop effective and comprehensive **test strategies** and **plans**, ensuring all critical aspects were addressed thoroughly and accurately.
* Led the **QA team** in executing automated tests, including **Smoke Testing**, **Integration Testing**, **Black Box Testing**, and **Regression Testing**, to ensure system stability, functionality, and reliability throughout all development stages.
* Utilized tools like **Selenium**, **JIRA**, and **Jenkins** to automate **test cases**, efficiently track defects, and manage the **CI/CD pipeline** for continuous testing, integration, and delivery, enhancing overall software development efficiency.
* Managed integration of **GPS tracking technology** into the **IoT device**, leading to an 80% increase in the accuracy of location data for rental users, & developed automated tests to validate functionality, ensuring precision and reliability in real-world applications.
* Implemented and maintained a robust **test automation framework** that supported the rapid development and deployment of automated tests, significantly enhancing the efficiency, accuracy, and reliability of the entire testing process.
* Developed comprehensive **test cases, test scripts** and **test** **scenarios** based on **user stories** and **acceptance criteria**, ensuring thorough validation of all features and functionalities to guarantee high-quality performance and user satisfaction.
* Created detailed **reports** and **dashboards** to provide stakeholders with comprehensive insights into testing progress, defect metrics, and overall product quality, enabling informed decision-making and strategic planning.

Environment: Agile-Scrum, Selenium, JIRA, Jenkins, MS Excel, MS Word, MY SQL, Tableau, Confluence.