

Ayda Rajab

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Data Analysis | Process Optimization | Quality Assurance (QA)

Technical analyst with expertise in data engineering, process automation, and business intelligence. Skilled in optimizing data pipelines, building dashboards to support decision making, and automating reporting workflows. Adept at translating requirements and data into actionable insights that drive compliance, quality, and efficiency. Experienced in API integrations and performance optimization, with a proven ability to design solutions that reduce manual workload, improve data accuracy, and accelerate delivery.

Core Competencies: Needs Analysis, Requirements Gathering, Dashboard Development, Data Analytics, Performance Improvement, Business Intelligence, Data Pipelines, Data Warehousing, ETL/ELT Processes, Statistical Analysis, Insight Generation, Data Processing, API Integrations, QA Validation, Data Validation & Exploration, Stakeholder Communication, Team Management, Test Automation

Tools & Technology: SQL, Tableau, Power BI, Retool, Microsoft Office (Excel, Word, PowerPoint), Selenium WebDriver, Maven, Jenkins, JIRA, Java, JavaScript, Python (Pandas), Git, RESTful APIs

PROFESSIONAL EXPERIENCE

Senior Developer & Technical Analyst | Key Autism Services, Miami, FL 05/2023 – Present

- Translated business requirements into detailed technical specifications by partnering with cross-functional teams, driving system improvements that strengthened data accuracy and operational visibility across departments and end-user groups.
- Directed system testing and QA, delivering a 99% error-free deployment rate and establishing repeatable validation procedures that significantly reduced post-release defects and increased platform reliability.
- Championed automated reporting using Power BI, Power Automate, and SharePoint, streamlining refresh cycles and workflow dependencies to eliminate manual processes and recover 30+ hours per month while improving data accessibility.
- Optimized SQL performance by redesigning queries, indexing high-impact fields, and modernizing pipelines, achieving 50–70% faster execution times and reducing a key MySQL stored procedure from 1:30 to under 40 seconds.
- Built advanced automation logic using Python and JavaScript to process more than 4,300+ records, fix dropped responses, and increase data extraction accuracy by 30–40% through regex-based ID, attachment, and timestamp parsing.
- Led an Agile team of 4 analysts and engineers to build MySQL data pipelines and interactive Power BI dashboards, improving reporting delivery speed by 35% and enabling faster, data-driven operational decisions for leadership and frontline teams.

Quality Engineering Analyst | Accenture Federal Services, San Antonio, TX 08/2022 – 05/2023

- Designed and executed detailed test plans, cases, and automated scripts across browsers, devices, and platforms, driving functionality and performance aligned with federal compliance and system integration requirements.
- Deployed problem-solving skills to identify, track, and resolve software defects in collaboration with developers and project managers, improving release quality and reducing defect recurrence rates by 35%.
- Enhanced existing automation and maintained scalable automation frameworks using Selenium and JMeter, streamlining regression and functional testing cycles for over 12 applications within high-security environments.
- Conducted functional, regression, and compatibility testing while performing risk assessments and root cause analyses early in the lifecycle, preventing over 40+ critical defects from reaching production.

Test Automation Engineering Associate | Accenture Federal Services, San Antonio, TX 08/2021 – 08/2022

- Designed, developed, and executed automated test scripts for functional, non-functional, and regression testing, achieving comprehensive test coverage and supporting the timely delivery of 15 high-quality software releases.
- Collaborated with developers and quality teams to identify, document, and resolve defects, reducing resolution time by 30% and strengthening communication channels across technical and project management teams.
- Leveraged high attention to detail and analytical skills to analyze test execution results and document testing methodologies, driving consistent software performance and compliance with organizational quality standards.
- Partnered with cross-functional teams to align automation testing strategies with product roadmaps and release cycles, optimizing resource allocation and accelerating overall project delivery timelines by 25%.

EDUCATION & CREDENTIALS

Master of Healthcare Administration (MHA), University of Miami

Bachelor of Science (BS) in Biomedical Engineering, The Catholic University of America

Lean Six Sigma Green Belt, University of Miami (Instructor: Dr. Howard Gitlow)