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**SUMMARY**

As a seasoned IT Analyst with 5 years of experience in the public service and finance sectors, I utilize my expertise in data analysis, business requirement interpretation, and programming languages to drive business growth and navigate complex platforms, leveraging ETL tools and data-driven insights to optimize operational efficiency and foster innovative solutions.

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**TECHNICAL SKILLS**

- **Programming languages:** Python, R, SAS
- **Databases:** MySQL, MS SQL Server
- **Tools Used:** Aginity, DBeaver, IBM DataStage, IBM Cognos, Control M, Salesforce, SAP BI/BW, SAP ERP, RPA(BluePrism, UiPath), Jupyter, GitHub, Excel, SharePoint
- **Analytics Tool:** Power BI, JIRA
- **SDLC Model:** Agile, Waterfall
- **Certifications:** Microsoft programming in C#(70-483), BluePrism Developer Accreditation exam

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**PROFESSIONAL EXPERIENCE****Role: CS02 IT Analyst/Developer, CRA, Ottawa****(Jul 2023 – Present)**

- Spearheaded the end-to-end implementation of multiple data mart solutions tailored to meet the distinct needs of benefit programs governed by stringent validation and control parameters.
- Developed several data jobs leveraging strong hands-on experience in creating server jobs, parallel jobs, job sequences and batch jobs in IBM Information Server (DataStage).
- Created data views using SQL queries and incorporated new variables to deliver business-relevant data.
- Performed code fixes by analyzing and aligning the dimensional and relational database design of the data warehouse ensuring data consistency and integrity across both models.
- Proactively identified and rectified source of errors in ETL jobs and enhanced data reliability.
- Successfully mitigated data loss by overhauling outdated legacy system design and logic formulation leveraging ETL techniques to meet client requirements.
- Ensured accurate data outcome and enhanced datamart performance through unit testing and integration testing.
- Leveraged Jira to efficiently manage and prioritize multiple tasks, ensuring completion of issues and accurately update status following agile method to understand and develop adequate BI solutions.
- Utilized Cognos to perform thorough data validation through scenario-based testing and created queries that joined multiple tables to meet client reporting requirements.
- Created comprehensive costing estimates for new ETL and Cognos reporting initiatives, ensuring accurate resource allocation and budget planning to meet business objectives.
- Involved in interdepartmental interactions to identify and scope business requirements for high priority projects.
- Delivered presentations to diverse clients with tailored solutions highlighting the implementation process and the strategies administered to meet business needs.
- Created source to target documents for designing, reporting and knowledge sharing.
- Created comprehensive system design documents and wrote bash scripts for migrating jobs from UT to UA and PR and streamlined processes.
- Monitored job run, alerts and notifications in Control-M and Remedy and coordinated with scheduling team in evaluating and resolving failed jobs.
- Contributed to peer reviews, provided constructive feedback and mentoring to ensure high-quality development.

**Role: Data Integrity Analyst, Chep, Mississauga****(Oct 2022 – Jan 2023)**

- Identified pallet leakage of \$20 million across retail chains in North America ensuring target corrective insights.
- Identified areas with maximum pallet losses with the top 16 major retailers and proposed implementing a python-based tool to detect transaction faults in pallet distribution to retailers.
- Developed comprehensive business reports using Power BI for multiple internal and external business

- stakeholders and facilitated informed decision-making.
- Developed dynamic dashboards leveraging DAX and M query with precise drivers of transaction anomalies effectively highlighting suspicious transactions.
- Independently led technical discovery meetings with commercial account owners and raised tickets in Salesforce for seamless issue tracking.
- Proactively monitored and identified issues in migrated data from SAP ERP to Salesforce ensuring data reliability and accuracy.
- Assessed and interpreted transactional errors using SAP BI/BW and recommended corrective measures in SAP ERP.
- Collaborated with Brambles digital team to explore data integrity projects within CHEP Canada and determined feasibility scopes to ensure seamless transaction and red flag detection.
- Performed testing in BluePrism for RPA - based automation solutions adopted to streamline lengthy invoice generation processes for digital and non-digital transactions to increase overall productivity as part of digital onboarding and automation uptake initiatives.

**Role: Data Science researcher, HEC Montreal, Montreal (Jun 2021 – May 2022)**

- Spearheaded a research endeavour in collaboration with IVADO and CFREF organizations, focusing on leveraging big data technologies like Apache Hadoop to drive cutting-edge insights.
- Analyzed detailed project requirements and synthesized qualitative and quantitative data using R that substantiated project objectives.
- Identified unique methods to maximize the amount of information that could be sent from one end to another with minimal burden on node memory using monte-carlo method.
- Explored and compared between various R libraries by creating visualizations, graphs and plots to facilitate a deeper understanding of their strengths in application.
- Identified and implemented acceptance measures to compress data and assisted node-to-node data transfer operating within a designated communication budget ensuring seamless data exchange.

**Role: Associate Consultant/Automation Developer, Capgemini, India (May 2016 – Jun 2019)**

- Developed an automation solution to detect payments fraudulent or otherwise saving the client \$30 million annually across the EMEA and the NA.
- Supported the build of a database containing historical transactions to showcase the fraudulent payment proportion within the system reducing the time spent on creating financial reports by 300+ FTE hours.
- Championed the identification of automation initiatives as the Prima Facie for a team of 5 directly under the VP head of intelligent automation services driving strategic automation adoption.
- Provided on-going support for active dashboard run and assisted in incident management to conduct prompt issue resolution.
- Used Agile process to collaborate with SMEs, developers, business analysts and various stakeholders to create BRDs, PDDs, SDDs and SOP documents underlining clear solution requirements, implementation and execution.
- Performed User Acceptance Testing and executed complex code corrections for quality assurance.
- Mentored two offshore teams to identify issues in automation projects and performed code reviews.
- Created reusable business objects using C#.Net enhancing scalability.
- Implemented try-and-catch statements for exception handling during run.
- Implemented selectors for interacting with web and windows applications for continuous bot navigation.
- Extracted structured data by using datascraping methods and loaded documents in CSV files or spreadsheets and uploaded them to sharepoints for SMEs to review later.
- Created excel automation for repetitive entries into table like structures by appending new and comparing columns wherever needed.
- Created stored procedures for faster query execution on a periodic basis improving system performance.
- Interacted with cross functional teams to identify gaps and determined RPA best practices in designing efficient solutions, quality processes and user experience.
- Used Jira to track quality defects, bugs and run issues in collaboration with SMEs for faster resolution.
- Developed bot workflows and schedules and used orchestrator for deployment, monitoring and managing bots.

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**EDUCATION**

- HEC Montréal, MSc Data Science and Business Analytics, Montreal (Aug 2022)
  - S'O'A University, BTech Electronics and Communication Engineering, India (Jun 2016)
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