WALID AYUB

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KEY STRENGTHS

Data Analysis & Reporting: Proficient in conducting comprehensive data analysis and reporting for effective decision-making. Skilled in identifying trends and gaps, performing root cause analysis, and generating actionable insights. Experienced in using **SQL**, **Python**, **VBA**, and **advanced Excel** for statistical tracking and reporting

Process Improvement & Quality Assurance: Proven ability to lead process improvement initiatives, utilizing process mapping and gap analysis to enhance operational efficiency. Experienced in implementing quality assurance measures to ensure accurate data management and compliance with industry standards

Stakeholder Coordination: Successfully liaising with stakeholders to support project coordination and execution. Adept at collaborating across teams to align goals, meet project milestones, and support strategic initiatives

Program Management: Skilled in developing processes and tracking KPIs to monitor and optimize divisional performance. Knowledgeable in project management principles, with experience in business process redesign and development of new operational initiatives

Tools Development & Data Management: Competent in creating and maintaining customized databases and reporting applications for efficient data collection and analysis. Highly proficient in **Microsoft Office Suite** (Excel, Access, Project, Word) for developing tools that enhance operational productivity

Strategic Thinking & Independent Judgment: Ability to approach business challenges strategically, exercising independent judgment to prioritize tasks and drive initiatives with minimal supervision. Demonstrates a commitment to continuous learning and process refinement to support organizational objectives

Software Knowledge: Proficient technical skills and understanding of software applications such as Microsoft CRM, CC&B, Oracle PL/SQL Developer, Tableau, Microsoft Power BI, SAP, and Microsoft Office Suite (Word, Excel, Access, Visio, PowerPoint, Project). Proven programming knowledge in SQL, C++, Visual Basic, MATLAB, HTML, CSS

EDUCATION

Ontario Tech University, Oshawa
Bachelors of Engineering and Applied Science (Software Engineering)

> **Coursework: Data Structures, Object Oriented Programming, Design and Analysis of Algorithms, Software Project Management, Artificial Intelligence, Distributed Systems, Embedded Systems, Computer Networks**

BusyQA, Mississauga
Cloud Computing (The Leap Boot Camp)

EXPERIENCE

BusyQA   Nov 2023 – Aug 2024
DevOps Engineer   Remote
- Faced challenges in optimizing cloud infrastructure, enhancing application performance, and streamlining deployment processes in a dynamic environment
- Orchestrated comprehensive data collection and reporting for AWS cloud projects, significantly enhancing system reliability and operational performance by identifying key metrics and automating data processes
- Utilized **Terraform** and **Ansible** to standardize configuration management, improving deployment accuracy
- Developed and optimized **ETL workflows** using **Python** and **SQL** to streamline data integration and support data-driven decision-making
- Designed and implemented **CI/CD pipelines** using Jenkins and Docker, automating the build and deployment processes
- Followed Agile practices, actively participating in sprint planning and daily stand-ups for project alignment
- Spearheaded continuous improvement initiatives by analyzing workflows and implementing enhancements that boosted system performance and compliance
- Employed **Tableau** and **Excel** to generate visual reports, enabling stakeholders to make informed, data-backed decisions

Riipen   **Apr 2023 – Jun 2024**
Freelance (Data Collection / Mobile Developer)   Remote
- Delivered a client-focused mobile app from **Figma** designs, incorporating backend data management with **SQL** and **PL/SQL**. This facilitated real-time data synchronization and easy access to critical information
- Collaborated effectively with team members to deliver cohesive and integrated solutions for the app
- Built custom data visualization components to track KPIs and trend analyses, providing clients with clear insights and metrics for data-driven decision-making
- Worked seamlessly with team members to produce an integrated, cohesive solution, maintaining strong communication with clients to align project milestones and outcomes with expectations, fostering long-term professional relationships

Capstone   **Sep 2022 – April 2023**
Software Engineer / Project Manager   Ontario Tech U
- Led the development of a smart digital license plate, equipped with theft alerts, renewal reminders, and service notifications, earning **3rd place recognition** at the university showcase for its innovation and impact
- Acted as a liaison between software development and electrical design teams to ensure project alignment and developed models supporting critical functionalities, enhancing security and scalability through cloud-based solutions
- Developed a **data model** to support theft alerts and renewal reminders, leveraging **cloud-based security features** for scalability and cost-effectiveness
- Produced detailed **project documentation** with **UML diagrams**, ensuring clarity for stakeholders and alignment on project requirements
- Created **training material** and provided support to staff, enhancing user proficiency in maintaining vehicle owner data
- Led the front-end team in designing an intuitive website, and managed cloud database administration to ensure data availability and security, supporting project sustainability

PROJECT

Simulation - effect of sea-level rise on coastal infrastructure | *Python, Matlab Simulink, FrEDI, Pyclamd, CLIMADA*
- Configured a Simulink model to utilize NASA's dataset for accurate parameter settings, including time, solver configurations, and initial conditions. Produced comprehensive outputs that helped in **gap analysis** and root cause identification, refining model parameters based on data findings

Graphical password strategy system | *JavaScript, Node.js, MySQL, Linux OS, HTML, CSS*
- An authentication system that allows users to select from a series of images from an interface in a specific order

USB scanner application | *Python, Linux, Clamav-Daemon, Pyclamd, EICAR test*
- Developed a Python-based tool to scan data, analyze patterns, and quarantine infected files for cybersecurity purposes

Traffic Flow Optimization | *GCP, Python, Docker, Kafka*
- Designed a real-time traffic monitoring tool that uses **Pub/Sub architecture** to collect and analyze traffic data, providing insights for urban planning. Generated detailed reports using **Python libraries**, presenting findings that guided stakeholder decisions on infrastructure improvements

LEADERSHIP

TJX Canada   **Jun 2021 – Present**
Sales Coordinator   Warden Woods
- Analyzed **inventory and sales data** to identify trends, supporting operational decision-making to reduce costs and improve efficiency
- Maintained data confidentiality and adhered to privacy regulations when handling customer data and transactions
- Supported team collaboration on data reporting and accuracy, leading efforts that improved decision-making processes and reporting standards

Variable Academy   **Jun 2023 – Present**
Youth Leader   Toronto
- Empowered at-risk and low-income youth by providing organized workshops focused on data-driven life skills training, promoting technology use and skill development, impacting over 50 youth
- Tracked workshop impact metrics and provided reports on participant progress and learning outcomes, contributing to continuous program improvement