



Nitin Wadhvani

📍 Calgary, Canada 📞 403 797 6221 ✉ Nitinwadhvani@me.com

PROFESSIONAL SUMMARY

Detail-focused Lead Developer with extensive knowledge in databases, process validation and business requirements analysis. Proven to understand customer requirements and translate into actionable solutions. Dedicated and hard-working with passion for Big Data and Data Analytics.

EDUCATION

Bachelor of Science | Computer Information Systems, Minor in Business, Major in Computer Science

2017 - 2021

Mount Royal University, Calgary, AB

- Recognized on Dean's List in 2019 & 2021
- Awarded Jason Lang Scholarship in 2021
- Overall GPA: 3.4 / 4 GPA

WORK HISTORY

BUSINESS INTELLIGENCE DEVELOPER

May 2022 to Current

Precision Drilling | Calgary, Alberta & Huston, Texas

- Developed a Drill Pipe Excess Wear web application, utilizing a Snowflake backend, for our Canadian fleet of rigs. This solution has generated \$7.3 million in revenue for the company to date. Additionally, implemented a machine learning model to forecast Drill Pipe wear, enabling our supply chain to proactively manage maintenance and stay ahead of industry trends.
- Developed a Fleet Wide specification dashboard for 205 Drilling Rigs using PowerBi, with a Snowflake backend. This dashboard, utilized by Sales and Marketing, facilitated the sale of Drilling Rigs companywide.
- Engineered a Fleet-Wide Compliance Dashboard for real-time comparison of engineering recommendations with actual rig data, ensuring regulatory compliance and optimizing rig performance.
- Developed Fleet Wide Evergreen Emission reporting dashboard to display emissions saved by using our Evergreen Battery on our Drilling Rigs these metrics include CO2, CH4, NO2, etc. Used a snowflake backend to perform complex aggregations on our 1 second data coming from the Battery and Engine Generator sensors.
- Implemented advanced ETL processes in Snowflake DB (SQL) to seamlessly integrate and transform data for business intelligence applications, ensuring data accuracy and reliability.
- Developed multiple Python APIs and integrated them within Power Apps to enable seamless data transactions between applications. Published APIs through Azure Functions and rigorously tested them using Postman, ensuring reliability and efficiency in data integration processes.

- Led the design and development of an end-to-end automated approval workflow system within Sharepoint for rig configuration changes. Integrated Power Automate for workflow automation and incorporated automated email notifications. Oversaw the entire project lifecycle, ensuring alignment with stakeholder requirements and organizational goals, resulting in a streamlined approval process and enhanced efficiency in rig configuration management organization wide.
- Gathered requirements / designed / developed / and managed Power BI Solutions involving complex level of DAX, Power Query and SQL.
- Provided mentorship and support for other team members' learning and development.
- Technical expert for identified applications: PowerBi, PowerApps, Microsoft Flow/Power Automate, Snowflake, Python, Java, Node.js, Azure Functions, Blob Storage, Grafana and MS lists.

SYSTEMS ENGINEER / BI DEVELOPER

January 2020 to January 2021

TC Energy (formerly TransCanada Pipelines) | Calgary, Alberta

- Involved in gathering business requirements, writing specifications and test scripts on multiple project lifecycles
- Created Power Bi Dashboards linked with Amazon RedShift Database to display live incident, demand and time allocation metrics which enabled upper management to track employee resources
- Resolved over 300 day to day business unit problems primarily related to SAP Projects with exposure to ServiceNow - educating employees on troubleshooting and problem-solving protocols
- Pinpointed company wide SAP PPM issue, updated the conflicting script and software packaging, released this fix company wide – estimated cost saving of \$200,000.
- Live application support to identify, mitigate and test software bugs in Java, VBA and within SAP Project Systems
- Developed tables, views, triggers and advanced query's using SQL
- Proposed technical feasibility solutions for new system designs and suggested options for performance improvement of technical components

DATA ANALYST

May 2019 to September 2019

Petrotranz | Calgary, AB

- Developed Mobile application using Power Apps to track customer feature requests
- Created Power Bi Dashboards to display internal metrics, and current bug fixes along with their development status
- Collaborated with team members in creating business requirements and wireframes following HCI principles and UX design

- Assisted with soliciting customer feedback activities including planning, gathering and analyzing feedback, directly communicated, and engaged with customers in person
- Researched RESTFUL API's and utilized within new solution
- Updated organizational systems and subsystems to improve and streamline data collection

SKILLS

- Programming Languages: DAX | Java | CSS | HTML | JavaScript | React.JS | Bootstrap | MySQL | Node.JS | Bash Scripting | PHP
- Technologies: PowerApps | Snowflake | SAP | PowerBi | Azure DB | MongoDB | Postman |
- Agile/Scrum, Waterfall Methodology
- Infrastructure: Azure, AWS, VMware, Windows, MacOS and Linux
- HCI Principles & UX Design
- Strong Interpersonal and Communication Skills
- MS Visio, MS Excel, MS Projects, MS Office, MS Lists
- Software Testing, Validation, Deployment
- Project Management

CERTIFICATIONS

- Microsoft Azure Data fundamentals ICT 903 – From the University of Calgary
- Advanced Google Analytics Certification

WEBSITE/ PORTFOLIO

- <https://nitinw1.github.io/>

VOLUNTEER EXPERIENCE

- Manage financial operations as the Treasurer on the board of Go Smart Property Managers, overseeing budgeting, financial planning, and reporting.
- Ensure compliance with regulatory requirements and internal policies regarding financial transactions.
- Prepare and present comprehensive financial reports to the board, offering strategic insights and recommendations for informed decision-making.
- Collaborate with board members and stakeholders to develop and implement financial strategies aligned with the organization's goals and objectives.