



Nitin Wadhwani

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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 Drill Pipe Excess Wear calculator (web app) with snowflake backend for our Canadian fleet of rigs, company collected \$7.3 million to date using my solution. Also implemented a machine learning model which was used to forecast Drill Pipe wear, enabling our supply chain to stay ahead of the industry.
- Developed Fleet Wide (205 Drilling Rigs) specification dashboard (in PowerBI) with a snowflake backend, for Sales and Marketing, used companywide to enable the sale of Drilling Rigs.
- Developed Fleet Wide compliance dashboard to show our engineering recommendations to the operator (client) vs actuals on the Drilling Rig based on real time data.
- Developed Fleet Wide Evergreen Emission reporting dashboard to display emission 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.
- Wrote advanced Queries & Developed Tables in Snowflake DB (SQL) in order to perform ETL (Extract, Transform, Load) on data for use in business intelligence applications.
- Wrote multiple API's in python to connect multiple data sources (published thru Azure Functions and tested using Postman). Used within Power Apps to transact data to and from Snowflake database.
- Gathered requirements / designed / developed / and managed Power BI Solutions involving complex level of DAX Power Query and SQL.

- Utilized Power Apps and Power Automate to enhance automation and reporting capabilities.
- 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, Spotfire & Grafana.

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
- Agile/Scrum, Waterfall Methodology
- HCI Principles & UX Design
- MS Visio, MS Excel, MS Projects, MS Office
- Project Management
- Technologies: PowerApps | Snowflake | SAP | PowerBi | Azure DB | MongoDB | Postman |
- Infrastructure: Azure, AWS, VMware, Windows, MacOS and Linux
- Strong Interpersonal and Communication Skills
- Software Testing, Validation, Deployment

CERTIFICATIONS

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

WEBSITE/ PORTFOLIO

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