

Nitin Wadhwani

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EDUCATION

Bachelor of Science in Computer Information Systems, Minor in Business

Mount Royal University • Calgary, AB • 2017–2021

- Recognized on Dean's List in 2019 & 2021
- Awarded Jason Lang Scholarship in 2021
- Graduation GPA: 3.46 GPA / 4

EXPERIENCE

Business intelligence Developer

Precision Drilling

May 2022 – April 2024, Calgary, Alberta & Huston, Texas

- Developed a high-impact Drill Pipe Excess Wear web application using **PowerBI** with a **Snowflake** backend, contributing to **\$7.3 million** in revenue. Demonstrated proficiency in creating **scalable data solutions** and analytical models.
- Designed and implemented a **linear regression** model in **DAX** to forecast Drill Pipe wear, reducing maintenance-related downtime by 15%.
- Engineered a comprehensive **Fleet-Wide Specification Dashboard** for **205 drilling rigs** using **PowerBI** and **Snowflake**, supporting sales and marketing strategies and driving company-wide rig sales.
- Developed a **Fleet-Wide Evergreen Emission Reporting PowerBi Dashboard** to track emissions saved by Evergreen Batteries, utilizing **Snowflake** for complex data aggregation from high-frequency sensor data.
- Developed a Fleet-Wide Compliance Dashboard to compare engineering recommendations with actual rig data, ensuring compliance and optimizing performance in **real-time**.
- 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 **APIs** in **Python** 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 development of an **automated approval workflow system** in **SharePoint** for rig configuration changes, integrating **Power Automate** for enhanced process automation, resulting in a **streamlined approval process** organization wide.

Systems Engineer / BI Developer

TC Energy (formerly TransCanada Pipelines)

January 2020 – January 2021, Calgary, Alberta

- Gathered business requirements and **developed** a **PowerBI** Dashboard with **AWS RedShift** backend to display live incident, demand, and time allocation metrics for upper management visibility.
- Resolved over **300 business unit issues** related to **SAP projects** and **ServiceNow**, improving operational efficiency.
- Identified and fixed a company-wide **SAP PPM issue**, saving the company an estimated **\$200,000**.
- Provided live application support, identifying and resolving software bugs in **PowerBi**, **Java**, **VBA**, and within **SAP Project Systems**.
- Designed and developed **SQL tables, views, triggers**, and **advanced queries** to support complex data operations.

Data Analyst

Petrotranz

May 2019 – September 2019, Calgary, AB

- Developed a **Mobile application** using **Power Apps** to track customer feature requests.
- Created a **PowerBI Dashboard** to display internal metrics, current bug fixes, and development status.
- Collaborated with team members in creating business requirements and wireframes following HCI principles and UX design.
- Assisted in developing business **requirements and wireframes**, adhering to **HCI principles** and **UX design**, and directly **engaged with stakeholders** in person.

TECHNICAL SKILLS

Languages: DAX | Java | CSS | HTML | JavaScript | Bootstrap | MySQL | Node.JS | Bash Scripting | Python | jQuery

Skills: Agile/Scrum | Waterfall Methodology | Project Management | HCI Principles | UX Design

Technologies: PowerApps | Snowflake | PowerBi | Azure | AWS redshift | Postman | MS Visio | MS Excel | MS Projects | MS Lists | SAP PPM