

# Nitin Wadhwani

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## SUMMARY

Detail-focused Lead Developer with over 3 years of experience in business intelligence, data analytics, and software development. Extensive knowledge in databases, process validation, business requirements analysis and web development. Proven ability to understand customer needs and translate them into actionable solutions. Dedicated and passionate about Big Data and Data Analytics, with a strong commitment to delivering exceptional customer success.

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## EXPERIENCE

### Business intelligence Developer

#### Precision Drilling

May 2022 – May 2024, Calgary, Alberta & Houston, 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 machine learning model to forecast Drill Pipe wear, enhancing supply chain management and proactive maintenance. Applied advanced analytics to drive industry-leading insights.
- 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 Compliance Dashboard to compare engineering recommendations with actual rig data, ensuring compliance and optimizing performance in real-time.
- Developed a Fleet-Wide Evergreen Emission Reporting Dashboard to track emissions saved by Evergreen Batteries, utilizing Snowflake for complex data aggregation from high-frequency sensor data.
- 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 development of an automated approval workflow system in SharePoint for rig configuration changes, integrating Power Automate for enhanced process automation and 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 and developed PowerBI solutions using advanced DAX, Power Query, and SQL, delivering effective and complex business intelligence solutions.
- Provided mentorship and support to team members, enhancing their skills in business intelligence 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

#### TC Energy (formerly TransCanada Pipelines)

January 2020 – January 2021, Calgary, Alberta

- Involved in gathering business requirements, writing specifications and test scripts on multiple project lifecycles.
- Developed 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 business unit issues related to SAP projects and ServiceNow. Educated employees on troubleshooting and problem-solving, enhancing operational efficiency.
- Pinpointed a 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.
- Designed and developed SQL tables, views, triggers, and advanced queries to support complex data operations.
- Proposed technical feasibility solutions for new system designs and suggested options for performance improvement of technical components.

### Data Analyst

#### Petrotranz

May 2019 – September 2019, 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 APIs and utilized within new solutions.
- Updated organizational systems and subsystems to improve and streamline data collection.

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## EDUCATION

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

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

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## CERTIFICATIONS

### Microsoft Azure Data fundamentals

### Advanced Google Analytics Certification

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## VOLUNTEER EXPERIENCE

### President on the Board of Directors

Go Smart Property Managers • May 2024 – Current

- Lead and oversee the operations and strategic direction of the condo board, ensuring effective governance and alignment with organizational goals.
- Facilitate board meetings and coordinate with committee chairs to drive initiatives, resolve issues, and maintain clear communication among stakeholders.
- Direct and support financial planning, budgeting, and reporting processes, providing strategic guidance and oversight to ensure fiscal responsibility and transparency.
- Foster collaborative relationships with residents, vendors, and board members to address concerns, mediate conflicts, and promote community engagement and satisfaction.

### Treasury on the Board of Directors

Go Smart Property Managers • May 2023 – May 2024

- 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.

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## SKILLS

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

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

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

Interpersonal Skills: Strong Communication | Customer Management | Public Speaking and Customer Presentations