

Dane Ramirez

Aspiring Data Engineer

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EDUCATION AND CERTIFICATIONS

Nova Scotia Community College <i>IT Database Administration Diploma. Grade:90</i>	Dartmouth, NS <i>Sep 2023 – May 2025</i>
Coursera IBM Data Engineering <i>Full Certificate Course</i>	Online <i>Dec 2023 – May 2025</i>
AWS Cloud Practitioner Certification	Expected: Mar 2025

PROJECT EXPERIENCE

Hair Salon Full-Stack Website Commission <i>Freelance Team Project</i>	Feb 2025 – Apr 2025 <i>Local Business, NS</i>
<ul style="list-style-type: none">Led a cross-functional team to design and deploy a full-stack website with a robust database architecture and cloud-based server deployment.Developed a scalable backend service integrating secure payment and appointment scheduling APIs.Coordinated directly with the client to align technical solutions with budgetary constraints and aggressive delivery deadlines.	
Student Connector and Book Marketplace Website Project <i>Team Project - Role: DB and DevOPS Engineer</i>	Jan 2025 – Mar 2025 <i>NSCC / University Project</i>
<ul style="list-style-type: none">Co-lead database design and deployment using PostgreSQL, Azure, and Docker, ensuring high availability and scalability.Redesigned the database schema multiple times to optimize performance and remove redundancy by eliminating unnecessary tables.Assisted with deployment, code review, and overall system optimization, enhancing website performance even without direct frontend coding.Established continuous integration pipelines to support agile development practices.	
Real-Time Halifax Bus Tracker <i>Independent Project</i>	February 2025
<ul style="list-style-type: none">Developed live bus tracking web app processing 100+ GTFS real-time data points/minute via protobufEngineered Python/Flask backend with 15-second refresh intervals, visualizing data on Leaflet.js mapsImplemented route filtering and vehicle detail popups (speed, coordinates) using GeoJSON feature layers	
Student Data Centre Management Project <i>NSCC Semester Project</i>	Sep 2024 – Dec 2024 <i>NS, Canada</i>
<ul style="list-style-type: none">Directed the setup and integration of a Hadoop cluster on bare-metal servers to enhance data processing capabilities.Coordinated dataset selection and deployment with peers, resulting in improved processing speed and system stability.	

TECHNICAL SKILLS

Programming: Python, Java, SQL
Data Technologies: Oracle DB, PostgreSQL, MariaDB/MySQL, Apache Hadoop, Apache Spark, Kafka, Apache Airflow
DevOps & Cloud: Docker, Kubernetes, AWS, Azure, Virtualization, Containerization, GIT, Bash Scripting
Additional: Data Modelling, Networking, Windows Administration, Database Administration, ETL/ELT, Data Warehousing, Business Analysis, Disaster Recovery & Information Governance, Excel, CCNA Networking

WORK EXPERIENCE

Team Member <i>Dairy Queen</i>	May 2022 – Sep 2023 <i>Dartmouth, NS</i>
Sales Associate <i>Bluenotes</i>	Nov 2023 – Present <i>Micmac Mall, Dartmouth, NS</i>