OSCAR ROSALES

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SUMMARY

- Business Information Technology Student at Red River College Polytechnic with 2+ years academic experience delivering websites and applications involving team and project collaboration, communication, using technologies such as Java, C#, Python, HTML, CSS, JavaScript, React, PHP, Ruby on Rails, and SQL.
- Developed College/University management application, involving course creation, student registration, and automated grade point states, using C# .NET (MVC Framework) and LINQ queries to query MS SQL database, resulting in efficient College/University administration
- Engineered relational databases using Microsoft SQL Server, MySQL and PostgreSQL, bringing enhanced database security and data normalization
- Completed labs on AWS academy to gain Cloud Foundations Certification and hands-on experience using EC2, Lambda, Cloud9, VPCs, IAM, EBS, and S3

EDUCATION

Business Information Technology   **Aug 2023 – Dec 2025**
Red River College Polytechnic   Winnipeg, MB

- Planned, designed, and developed websites and applications based on requirement specifications to deliver high-quality assignments and projects.
- Gained hands-on experience debugging and unit-testing programs as part of assignments, fostering effective troubleshooting and problem-solving abilities

Introduction to Business Information Technology   **Jan 2023 – April 2023**
Red River College Polytechnic   Winnipeg, MB

PROJECTS

.devHacks Hackathon 2025   **Feb 2025**
University of Manitoba .devClub   Winnipeg, MB
- Collaborated in team of 4 to create web application utilizing HTML, CSS, JavaScript, MySQL, Python Flask, and a pre-trained Ultralytics YOLO model to develop working web app prototype in 24 hours.

Business Client/E-commerce Website   **Oct 2024 – Dec 2024**
Web Development II – Final Project   https://sparkdetailing.store
- Created PHP CRUD-based Content Management System for fictional client, Spark Detailing, a company specializing in automotive detailing.
- Created visually appealing website with CSS; performed server-side input sanitization and validation with PHP, managed cookies and session, and performed CRUD actions to database.

TECHNICAL SKILLS

Languages: HTML5, CSS3, JavaScript, PHP, Ruby, Python, Java, C#, SQL, T-SQL
Frameworks: React, Rails, .NET, Flask, Node.js, Vite
Database Management Systems: MS SQL Server, PostgreSQL, SQLite, MySQL, Mongo
Cloud: AWS (EC2, Lambda, Cloud9, VPCs, IAM, EBS, and S3), Microsoft Azure (Virtual machines)