**Oscar Morales**

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**TECHNICAL SKILLS**

**Programming Languages**: C++, Python, Java, C#, JavaScript (TypeScript), HTML, CSS, SQL

**Certificates:** Amazon Web Services Cloud Practitioner

**Operating Systems**: Android, Windows, iOS, Linux (Ubuntu)

**Web Design**: ASP.NET, Flask, React, Next.js

**Additional Skills**: Version Control (Git), Microsoft Power BI, SSRS, Azure DevOps, MSSQL, MySQL, SQLite, AWS

**PROFESSIONAL EXPERIENCE**

**Operations Engineer**, Affirma Consulting February - November 2022

* Increased BI reports and dashboards load speed in Microsoft Power BI and SSRS by 25% utilizing cashing and writing more efficient queries
* Worked with Sales to create a SSRS report that tracked leads resulting in a increase of 20% in closing rates
* SQL experience: table design, DB administration, stores procedures, retrieving, aggregating, and manipulating data from complex relational databases
* Used HTML, CSS, JavaScript and C# to implement a new email notification feature on company time entry web app that resulted in a increase of time entry compliance of 20%
* Implemented CI/CD pipelines using AzureDevOps that resulted in a reduction in deployment time by 25%
* Monitored and analyzed metrics to ensure a healthy state of operations on a daily and weekly basis resulting in a 15% reduction of error messages from company web apps and internal tools

**TECHNICAL PROJECTS**

**Weather App**, Web Programming and Design December 2023

* Created a functional and aesthetically pleasing user interface with a Navbar Component using Next.js and Tailwind CSS that was responsive and user-friendly
* Integrated external APIs and configured data types with TypeScript to fetch weather data
* Displayed current and future forecast weather data and implemented search and current location functionality

**Invoice Generator**, Internal Tool October 2022

* Designed and created a Windows application for the accounting team to create invoices with C#
* Generated thousands of invoices each month by communicating with a SQL server to retrieve project, contract, hours logged, ect. using stored procedures
* Constantly monitored, updated and tested tool to insure accuracy of invoices

**Web Service for Cataloging Machine Learning Inference Results**, Capstone Project March 2021

* Transitioned the database engine from SQLite to MySQL
* Developed user management feature for users to securely log in and upload models using Python
* Implemented model upload and download that stored models in AWS S3 with Python

**Jolly Banker**, Data Structures, Algorithms and Discrete Mathematics March 2017

* Developed a banking program that processed and displayed banking transactions using a queue
* Designed and implemented the necessary classes and data structures for this using C++
* Stored client accounts in a binary search tree for efficient O(log n) retrieval of client records

**EDUCATION**

**Bachelor of Science in Computer Science and Software Engineering** March 2021

University of Washington Bothell