SOFIA AVANCENA

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 **avancenm**

**Software Engineer Front-End Developer**

# Highlights of Qualifications

* Recent SQL & ERP Developer, Software Developer & ERP Analyst
* Hard Skills: Software Engineering, Front-End Development, Research
* Soft Skills: Attention to Detail, Clear Communication, Fast Learner

# Technical Skills

**Data & Analytics:**  
Google Analytics, NumPy, Pandas, Power BI

**Databases:**  
Firebase, MySQL, MS SQL Server, Oracle

**Design Tools:**

Adobe Photoshop, Canva, Figma

**ERP & Business Tools:**  
Asana, Bartender, Exenta, Jira, Microsoft Office Suite, NetSuite, Slack

**Operating Systems:**  
Android, iOS, Linux, MacOS, Windows

**Programming & Scripting:**  
Bash, C, C#, C++, CSS, HTML5, Java, JavaScript, JSON, Kotlin, Python, SQL (T-SQL, PL/SQL), Swift

**Version Control & Cloud:**  
Azure, Git, GitHub

**Web & App Development:**  
Android Studio, ASP.NET, Flutter, IntelliJ IDEA, NetBeans, React, SpringBoot, Tomcat, Visual Studio, Visual Studio Code

# Education

**Sheridan College**

**Honours Bachelor of Computer Science (Mobile Computing)**

Graduating class of Fall 2022

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# Work Experience

**Scott Free Unstoppable June 2025 – Present**

Freelance Web Developer

* Web Development: Designed and developed the official band website using Wix, creating customized layouts for both desktop and mobile viewing.
* Custom Coding: Extended platform functionality by coding a custom scrollbar with JavaScript, HTML, and CSS, a feature not natively supported in Wix.
* User Experience: Structured navigation and organized merchandise and content pages to improve user experience.
* Branding & Design: Applied consistent branding, visual design, and multimedia to establish a professional online presence.
* [Website link](https://www.scottfreeunstoppable.com/).

**Superior Glove January 2023 – August 2025**

SQL & ERP Developer (Full-time)

* Data Management & Reporting: Developed and maintained ERP templates and reports using NetSuite, SQL, and Power BI to provide real-time insights into warehouse and operational data.
* ERP Migration & Customization: Supported the migration from Exenta to NetSuite by updating forms, scripts, and templates; optimized workflows to improve data accuracy and usability.
* Analytics Support: Assisted in Google Analytics data interpretation and dashboard creation to support marketing and sales teams.
* EDI Data Maintenance: Collaborated with customer service to identify and correct EDI data errors, ensuring smooth order processing and communication.
* Process Documentation: Created and updated SOPs and user guides for ERP systems, reports, and warehouse workflows.
* Project Management: Used Asana to track tasks, timelines, and communication across IT and warehouse teams.
* Technical Support: Provided daily assistance with ERP, handhelds, WMS, printing, and data-related issues, reducing operational downtime.

**Superior Glove January 2022 – December 2022**

Software Developer & ERP Analyst (Co-op and Part-time)

* Full-Stack Development: Designed and co-developed a responsive website listing company merchandise using React.js and related technologies to ease vendor purchases.
* ERP Development: Maintained and customized forms, processes, and databases using Exenta ERP and MySQL.
* Database Management: Assisted in creating and optimizing SQL queries and scripts for data extraction and reporting.
* Documentation: Documented ERP workflows and technical procedures to facilitate knowledge sharing and user training.
* Technical Support: Provided ERP and technical support to internal users.

**Sheridan College June 2021 – August 2021** Innovation Accelerator collaborating with Links2Care (Co-op)

* Leadership: “She keeps herself and her group members accountable,” (Project Leader: Hamna Noor).
* Digital Literacy: Leveraged existing and new technologies such as Canva, Miro and MS Teams to solve Links2Care’schallenge and achieve weekly goals.
* Initiative & Entrepreneurial Mindset: demonstrated curiosity and a proactive desire to implement ideas and further goals.
* Agility and Adaptability: showed flexibility, openness and a willingness to respond according to the situation.

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# College Projects

**Winter 2022 – Fall 2022**

**Keyboard Building Simulator C#**

A mechanical keyboard mock-up creator and with augmented reality (AR)

* Project Management: Directed team project from initiation to completion, ensuring milestones and deliverables were met.
* Documentation: Authored SRS, PID, SDD, and Capstone Report (CR) using MS Word.
* Modeling & Testing: Developed Software Model (SM) and Test Plan with Visual Paradigm.
* Collaboration & Tracking: Coordinated workflow and tasks with Jira, Asana, and team communication via Discord.
* Engineering Specifications: Defined technical requirements and system details in SRS and SDD.
* [Multi-Switches: KBS - FinalDemo](https://youtu.be/F_a6ohHck_U?si=U9lRIfJnb9j2s-Pr)

**Fall 2020**

**MediHelp C#**

A patient information platform

* Database Management: Recorded and stored user data in a local database.
* Entity Framework: Used Code First + Data Migrations to update schema without data loss.
* CRUD Operations: Implemented object management with cloning to the database when required.

**Assessment App Kotlin**

A student assessment application

* Database Management: Recorded and stored user data in a local database.
* Entity Framework: Applied Code First + Data Migrations to safely update database schema.
* CRUD Operations: Implemented object management with cloning to the database when required.

**Winter 2020**

**PlanN’Party Java**

A simplistic user-friendly party planning application

* Cross-Platform Development: Built mobile application in React Native Expo.
* Cloud Database: Stored user information with Google Firebase.
* UI/UX: Designed different user views for seamless interaction.
* Authentication: Integrated secure, fully functioning login features.

**GottaCatch’EmAll C#**

A Pokémon battle simulator

* Object-Oriented Design: Constructed a complex, nested inheritance tree.
* Navigation: Built fluid, user-friendly transitions between displays and menus.
* File Handling & JSON: Imported Pokémon object attributes via filesystem access + JSON parsing.