Ray Sandhu

Computer Science Student (3rd Year) / Registered Nurse

Work Experience

Beltline Innovation Technologies Ltd.   June 2022 — Present
Founder / Developer

> A self-started firm with my mentors in software programming to service local businesses and their needs for niche software solutions. As a small startup, we target small- to mid-sized businesses focusing on creative and invested solutions that prioritize the needs of the client while aiming to expanding our own scope with each project.

> Ongoing contract with Trademark Workwear - Establishing an interactive database serving as inventory management for Trademark employees and an ordering system for the clients of Trademark Workwear.

AirSprint Inc.   May 2022 — September 2022
Tech Intern

> Software roles included bug fixes and two complete feature pushes which implemented access levels for employees on a Go and Typescript internal communications website. I also worked closely with a Salesforce consultant to create client-facing ease-of-use features using Apex and Visualforce.

> IT roles included server backups and maintenance, new staff setup, hardware purchasing and generic workplace tech support.

Hemodialysis Unit   Dr. Vernon Fanning Centre, Calgary
Registered Nurse   April 2021 — Present

> Care for patients with chronic kidney disease includes administration of regular hemodialysis, and coaching for diet and exercise with a family-centric approach for safe management of the homeostatic balance of this vulnerable demographic

> Highly specialized skills include steel needle insertion and fistula care, central line management, precise knowledge of dialysis machine, and the biological nuances of this patient demographic, and troubleshooting for all of the above.

Programming Projects

The Lending Library — ReactJS WebApp

Collaborative ReactJS website with search functionality serving a NoSQL database for books. Single-user capabilities include cataloging books and a check-out process for borrowing books from my personal collection.

TechStarcade — Chrome Web Extension hosting Unity and Phaser projects

Working with a team of students across disciplines at the University of Calgary, we are building a Chrome extension as the platform to several retro arcade style games. In addition to development, I also serve as a business strategist responsible for pitching the project as a product to local business leaders in tech and venture capital firms.

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Education

University of Calgary

2023 - Present — Calgary, AB
Bachelors of Science
Computer Science

2022 - 2023 — Calgary, AB
Open Studies (transferring into BSc Computer Science)

2016 - 2020 — Calgary, AB
Bachelor of Nursing (BN)

Skills

Programming Languages

Javascript
Python
Java
C#
Golang

Developer's Tools

ReactJS
Git
Figma
VisualForce/Apex

Programming Events

GMTK GameJam 2022
- Orc Onslaught
  - Bloons-tower defense inspired game