Ray Sandhu

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SUMMARY

New Graduate experienced in Full-Stack Development Developer with 1 year at Izzy Inc., specializing in UI/UX and Database Design; demonstrated proficiency in Angular, NodeJS, and MySQL.

EXPERIENCE

Freelance Developer | Beltline Innovation Technologies Ltd | Calgary, AB | May 2022 - Present
· Self-started software engineering firm with two partners servicing 6 local businesses (and counting) and their needs for niche software solutions.
· Overseeing all aspects of operations including product management, marketing, sales, customer service, and finance.
· Successful contract with Trademark Workwear; tasked with creating a B2B e-commerce platform using the AWS ecosystem with carefully architected Lambda functions, hosting protocols, GraphQL/DynamoDB database designs to ensure scalability and robustness for future growth as well.

Full-Stack Developer Intern | Izzy Inc. | Calgary, AB | September 2023 - September 2024
· Tech stack: Angular frontend framework, .NET in C# backend framework, and MySQL database using an entity framework.
· Resolved majority of client-reported bugs within 48 hours, leading to significant reduction in client-reported issues and enhancing user satisfaction.
· Authored detailed technical documentation for frontend features, reducing onboarding time for new developers and improving team efficiency.
· Implemented complex client-specific database reformatting and import pipelines using Pandas and SQL for 5 new clients, reducing average client acquisition and onboarding times from 5 months to 2 months.

Tech Intern | AirSprint Inc | Calgary, AB | April 2022 - September 2022
· Integrated Salesforce CRM with specialized flight tracking software, FL3XX, for enhanced company performance.
· Attended AWS and Databricks conferences to seek best growth opportunities via integration of cutting-edge technologies into flight management.
· Assisted in developing an internal tool using Python automating data entry tasks to the in-house flight tracking website, reducing processing time.

PROJECTS

TradeMark Workwear Enterprise Solutions | Beltline Innovation Technologies | January 2023 - February 2024
· Built a complex B2B tool to optimize a niche set of business requirements spanning one year of development and the management of 4 developers.
· Oversight of all development including client elicitations, database design, UX and UI to handle $500,000+ per year worth in transactions.
· VueJS project serviced by a combination of AWS Amplify and Lambda backend services utilizing a NoSQL DynamoDB database to handle 100's of transactions for the uniform needs of our client's largest corporate customers.

PoochPlanner
· Developed cross-platform mobile application using Flutter, optimizing pet care management for iOS and Android.
· Applied UX-centered principles ensuring rapid access to pet health logs by reducing clickstream path length.
· Implemented scalable backend solutions using MVVM model to manage and expand infrastructure for households and pet stakeholders.

EDUCATION

Bachelor of Science: Computer Science | University of Calgary | Calgary, AB | 2025 | 3.85
· Specialized course projects in Database Schema Design, Networks, Machine Learning, and Artificial Intelligence

Bachelor of Nursing (BN): Nursing | University of Calgary | Calgary, AB | 2021 | 3.8
· Proficient in interdisciplinary communication, delegation and outcome-focussed prioritization to lead teams for optimal patient outcomes

SKILLS

Proficient Languages: Typescript/Javascript, Python, C#, C++, Java, Dart

Application Design: Figma, LucidChart, HTML/CSS/Tailwind

Web Technologies: Git, ReactJS, VueJS, Angular, Flutter, Node.JS, Amazon Web Services (AWS), TensorFlow, NLTK, WireShark, Unreal Engine

Database Management Software: MySQL, MS SQL Server, SQLite, FaunaDB, DynamoDB, GraphQL

Soft skills: Interpersonal communication between teams and clients, leadership, smart deadlines and goals setting, growth-oriented

Technical Skills: Object oriented programming (OOP), Code reviews, data modeling, working with WebSockets