Ivan Provci

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PROFILE

I am a software developer in my 4th year of studies at KPU, leveraging technical expertise and creativity to design visually striking and user-centric websites. A proven effective communicator and collaborator within team environments. My curiosity and drive to learn new concepts applies not only to software development but to all aspects of life. A problem solver eager to contribute to the industry.

TECHNICAL SKILLS

FRONT-END: React, Tailwind, Bootstrap, HTML, CSS
LANGUAGES: JavaScript, Java, PHP, C++
OTHER: Express, Node, Bash, Pocketbase, MySQL, Git, JUnit, Burp Suite

EDUCATION

Kwantlen Polytechnic University, Surrey, BC   Expected Jan. 2025
Bachelor of Technology: Information Technology
- KPU GPA: 3.96/4.33
- Dean's Honour Roll recipient for Summer 2022, Fall 2022, Summer 2023, Fall 2023, and Spring 2024 terms.
- Website and Cloud Security - Pen tested websites using Burp Suite for OWASP Top Ten Vulnerabilities. Covered topics in encryption, hashing and blockchain. Learned about AWS infrastructure and services (S3, EC2, KMS, IAM)
- Software Quality Assurance - Learned about test-driven development, various testing techniques, and quality control. Created a food ordering application in 4 days using Java and used JUnit to write test cases to ensure high performance, reliability, and a seamless user experience.
- Advanced Web App Development - Built a full-stack ecommerce web application with a RESTful backend written in PHP and MySQL to persist data.
- Object-Oriented Software Engineering - Learned how to identify project requirements and design models based on those requirements. Covered software architecture designs and software design principles.

Langara College, Vancouver, BC   Dec. 2021
Associate of Science: Computer Science
- Database Systems - Designed normalized relational databases while considering data integrity and access control. Wrote SQL statements for data manipulation and querying.
- Unix Tools and Scripting - Wrote Bash scripts to automate tasks. Utilized Kali Linux tools to enforce data integrity, maintain system security, and perform vulnerability assessments.

PROJECTS

KPU Scheduler – *Semester Scheduling and Course Management Web App*
- Collaborated with KPU's IT department head to define requirements for a web app that improves the efficiency of the school's course scheduling process and reduces manual errors.
- Built and managed a server in Express to handle routing, JWT-based authentication middleware, and secure access control for users.
- Integrated the backend with a Pocketbase database and implemented RESTful APIs to retrieve and manage data.
- Developed CRUD endpoints with Express to process data, return meaningful HTTP status codes, and provide error handling with informative messages.

PROJECTS CONTINUED

Obsidian – *Clothing Ecommerce Website*
- Collaborated with 2 team members to develop an ecommerce clothing website where users could shop online.
- Designed and implemented the UI for the landing page, catalog page, favourites page, and checkout page using CSS and Bootstrap.
- Created dynamic components which displayed item data retrieved from the MySQL database.
- Utilized PHP for server-side scripting to implement a shopping cart and wishlist feature for authenticated users.

BC Health & Wellness – *Medical Clinic System*
- Coordinated with a team of 5 to create a full-stack web application that mimics a medical clinic system that manages patient accounts and their data.
- Implemented authentication and authorization by creating a login system, hashing passwords, and customizing unique privileges for each user type.
- Managed the front-end team of 3 by delegating tasks, holding meetings to discuss project progression, and ensuring timely completion of milestones.
- Created RESTful API calls using JS to efficiently exchange data between the front-end and Spring Boot backend.

EMPLOYMENT

Sense Home Services, *Skilled Trade Worker*, Vancouver, BC   Apr. 2022 – Present
- Completed full apartment interior renovations within a one-month deadline by installing new baseboards, flooring, paint, shower tile, backsplash and electrical fixtures.
- Maintained ongoing communication with property managers throughout the renovation process to ensure alignment with requirements and coordinate supply needs.
- Creatively improvised solutions using a variety of tools to overcome daily challenges on the job site.

Imprint Plus, *Punch Press Operator*, Richmond, BC   Jun. 2020 – Dec. 2020
- Operated a machine that punches name tags into sheets of metal, producing more than 6,000 name tags daily.
- Took on a two-person role to produce material that an entire department depended on, covering for a coworker during their vacation or sick leave.
- Trained multiple temporary workers and delegated tasks to minimize their downtime.
- Quickly adapted to a new working environment when a different department needed extra help.

The Source, *Sales Associate*, Richmond, BC   Jun. 2019 – Dec. 2019
- Met weekly targets for sales, warranty sales, email captures, and other targets by cross-selling every customer.
- Communicated with other Source locations to ensure inventory was even across all stores, and shipped/received items accordingly.
- Utilized the POS to manage inventory, send and receive shipments, and process transactions.
- Followed store closing procedures for cash deposits, POS updates, and general cleanup.