Param Dhaliwal

Software Engineer

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SKILLS

- Programming Languages: Java, C, C++, PHP, Javascript, HTML, R
- Web Development
- Frameworks: Node JS, React.js
- Relational Databases (SQL): MS SQL Server, MySQL
- Operating Systems Environment: Linux, Windows

EXPERIENCE

BCIT Student Association, Burnaby BC – *Councilor, Clubs Executive Member*

September 2019 – Present

- Providing directions to the BCITSA members in the issues relating to instructors, access to administration, and access to Executives.

Real Canadian Superstore, Surrey BC – *Stocker*

May 2017 – August 2017

- Responsible for receiving, recording, and replenishing stock in a warehouse.
- Inspected received goods, interacted with managers, while overseeing stocks.

De Elegance Drycleaners, Surrey BC – *Web developer and Assistant Manager*

November 2010 – July 2014

- Implemented office procedures while supervising customers and their database.
- Developed a high-impact website for customer use and advertising.

EDUCATION

British Columbia Institute of Technology, Burnaby BC – *Diploma Graduate*

January 2016 – June 2019

Computer Systems Technology (CST) - Combined computer systems theory with hands-on practical experience in software development. Have learned software engineering and programming from industry professionals, and gained experience working on real projects, from concept to deployment. Applied logical, critical, and creative thinking to synthesize solutions to computing and IT problems.

British Columbia Institute of Technology, Burnaby BC – *Bachelor's Degree*

September 2019 – June 2021

Network Security Applications Development - Understanding the role of security applications, both as exploit and penetration testing tools in networks. Experiencing in-depth skills using the Berkeley socket API, and the design of the implementation of advanced IPv4/IPv6 Client/Server applications. Have also researched upon advanced topics, such as Wireless Data Communication, and Cryptology, Covert Channels, Stealth Backdoors, Trojans, Packet crafting and sniffing, and in security tools proof-of-concept and prototyping.

PROJECTS

Real Estate Talk (RET) – *Major Project*

September 2020 – May 2021
- Introduced an application for Android users designed to streamline the process of communication between real estate agents and their clients.
- To ensure the confidentiality between data exchange, Cryptography and Steganography techniques were in use.
- The development of this application took place in Android Studio using Java as a primary language and Firebase Realtime Database to store the data being exchanged.

Network Traffic Analysis – *Practical Project*

Winter 2021
- The scope of this project was to apply the principles of intrusion detection and packet analysis in a practical application.
- Throughout the project, extensive analysis was in use for three different captured network traffics along with their log files with the help of tools, and services.
- Tools and services used to analyze the network traffic were Snort, SnortSnarf, Argus, Splunk Cloud, and Linux commands.

WePerform – *Major Term Project*

September 2018 – May 2019
- Developed web-application called *WePerform*, a platform designed to streamline the process of booking talented performers for certain events.
- React, Vue, and Firebase Realtime Database were in use for the development.

AWARDS

- Certified Java Solutions Developer and Full-Stack Web Development with React Specialization.
- Building expertise in the IT architecture and in designing, building, and maintaining a secure business environment using globally approved information security standards; to achieve CISSP certification.