
Param Dhaliwal

Software Engineer

Surrey, BC V4N6G4

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<https://github.com/ParamDhaliwal>

SKILLS

- Programming Languages: Java, C, C++, Python, R
- Cross-Platform: Windows, Linux/Unix, Android, iOS
- Relational Databases: MSSQL Server, MySQL, NoSQL
- Web Development: HTML5, CSS3, Firebase, JavaScript, Node.js, React.js
- Debugging Practices: Unit Testing, Integration Testing, Acceptance Testing
- Services: Salesforce, Figma, Git, Slack, Jenkins, ML, NPM, Network Protocols, Splunk

EXPERIENCE

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

September 2019 – November 2021

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

Century 21 AAA Realty, Surrey BC – *Freelance UI/UX Designing*

February – December 2019

- Designed and developed responsive and adaptive websites using HTML5 and CSS3.
- Presented image prototypes and concept designs using tools like Photoshop & Figma.

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 – *Bachelor's Degree*

September 2019 – December 2021

Network Security Applications Development – Gained comprehensive knowledge in the role of security applications, both as exploit and penetration testing tools in networks. Experienced in-depth skills using the Berkeley socket API, and the design of the implementation of advanced IPv4/IPv6 Client/Server applications.

British Columbia Institute of Technology, Burnaby BC – Diploma

January 2016 – June 2019

Computer Systems Technology (CST) – Hands-on knowledge of professional software engineering practices and best practices for the full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations. Applied logical, critical, and creative thinking to synthesize solutions to computing and IT problems.

PROJECTS

Happy Hour – *On-going Project*

Present

- Introducing an application for mobile users to help finding happy hour deals based on their current location.
- The development for this project is taking place in Android Studio with object-oriented programming using Java and Realtime Firebase Service.

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.
- The development took place in Android Studio using Java as a primary language and Firebase Realtime Database to store the data being exchanged with Crashlytics.

Network Traffic Analysis – *Practical Report*

Winter 2021

- The scope of this project was to apply the principles of intrusion detection and packet analysis in a practical application.
- Network management applications and tools were used to analyze the network traffic such as, 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 within Visual studio engine were in use for the development.

ADDITIONAL CERTIFICATES/TRAINING

Certified Specializations – *Coursera*

- Java Solutions Developer by Duke University.
- Programming in Python by University of Michigan.
- Full-Stack Web Development by The Hong Kong University of Science and Technology.