

ARJAN SANDHU SOFTWARE ENGINEER

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📍 Vancouver, BC,
Canada

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► Education

University of British
Columbia
B.ASc Computer
Engineering 2020
Commerce Minor
6/9 academic terms
completed

► Skills

SOFTWARE LANGUAGES

Java

Python

PHP

JavaScript

C, C++

SQL

NodeJS

React Native

DEVELOPMENT TOOLS

Linux

Git

AWS

Firebase

PuTTY

► Activities

Private Pilots License:
Flying single-engine
airplanes for local
recreational trips

UBC Intramurals: Ice
Hockey, Ball Hockey,
Basketball, Flag
Football

► Employment

Zaui Software

Junior Developer

Vancouver, BC

May 2018 to Aug. 2018

- Created a CSV file generating module for 70+ report types by building an HTML parser using PHP
- Overhauled the resource assignment interface by implementing drag and drop capability for vehicles, drivers, and passengers
- Enhanced customer order portal capabilities by adding variable order deposits and hiding/showing products based on capacity

TELUS

Co-op Software Engineer (Network Automation Division)

Vancouver, BC

Sept. 2017 to Dec. 2017

- Implemented automatic alarm retrieval protocols using Groovy and SOAP web services for Telus' national fiber-optic network
- Streamlined the daily duties of internal network technicians by building a custom network device diagnostic dashboard

Round Wrap Industries

Part-Time Software Consultant

Richmond, BC

July 2016 to Aug. 2018

- Acted as a bridge between upper management and a contracting company for an ERP software overhaul project
- Improved production reliability by creating a barcode-based order tracking system which provided accurate ETA's and logged defects

Gallium Academy

Instructor

Vancouver, BC / Sechelt, BC

July 2016 to Aug. 2016

- Supported high school students in creating a home-automation project as lead instructor for lessons on circuits, Arduino hardware, and Arduino programming

► Projects

Class Finder - UBC

Nov. 2018

- Designed and constructed a cross-platform mobile app using React Native, NodeJS, and MongoDB
- Automatically parsed student schedules to tailor efficient walking routes between classes through the Google Maps API, push notification reminders, and cloud-synced user settings

Custom Client Order Portal - Freelance

July 2018

- Utilized Javascript, Bootstrap, NodeJS, and Express to create a web-based custom order placement system
- Licensed the service to Round Wrap Industries to streamline their order creation process by replacing manual entry through fax and email

Find My Stuff - nwHacks

Jan. 2018

- Created a web platform during a 24-hour invite only hackathon that generated QR codes for users' possessions that linked to their contact information and sent a notification when found
- Utilized JavaScript and Bootstrap for the front-end along with a Firebase back-end and deployed on AWS

Auto Google - Personal

Dec. 2017

- Explored vulnerabilities in the IOS HQ app using Python, OpenCV, and Google custom search API
- Consistently retrieved accurate trivia answers through keyword recognition for research in bot exploitation

► Extracurricular

Delta Kappa Epsilon Fraternity - UBC

- 2018 Treasurer - In charge of all chapter finances including budget management for 70+ members
- 2017 Philanthropy Chairman - Raised over \$47,000 during our Stick it to Cancer ball hockey tournament