ARJAN SANDHU
SOFTWARE ENGINEER

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▶ Education

University of British Columbia
B.ASc Computer Engineering 2020
Minor in Commerce

▶ Skills

SOFTWARE LANGUAGES

Python
Java
JavaScript
TypeScript
PHP
C, C++

DEVELOPMENT TOOLS

AWS
Linux
Git
Docker
Jenkins

▶ Activities

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

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

▶ Employment

Amazon — Vancouver, BC
Software Development Engineer — Aug. 2020 to Current
- Worldwide Consumer - Payments Acceptance and Experience
- Helping build systems that process millions of payments per day with accuracy, speed, and mission-critical availability at an enormous scale

Yelp — San Francisco, California
Software Engineer Intern — May 2019 to Aug. 2019
- Designed and implemented internal developer tools as a Full-Stack Engineer on the Release Engineering team
- Enhanced developer workflow by optimizing bottlenecks in the Jenkins continuous integration platform

Zaui Software — Vancouver, BC
Junior Developer — 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 — Vancouver, BC
Co-op Software Engineer (Network Automation Division) — 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

▶ Projects

Shuffle - nwHacks — Jan. 2019
- Created a React Native app during a 24-hour hackathon to generate curated playlists between 2-5 users by using the Spotify API to determine the intersection of the group's listening preferences
- Wolfram Award - Top 20 of ~130 submissions

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 an online 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

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