

Ibrahim Irfan

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EDUCATION

Bachelor's of Software Engineering

- 93% CGPA with 2 consecutive top decile and Dean's List awards.

University of Waterloo

2017 - 2022

SKILLS

Languages: JavaScript, PHP, SQL, C/C++, Python, .NET Core

Frameworks: Node.js, AngularJS, jQuery, AJAX, MySQL, DynamoDB

Other: AWS, Git, Object-Oriented Design, APIs, Vim

WORK EXPERIENCE

Software Developer

- Refactored AWS CloudFormation scripts to **reduce lines of code** by **over 63%**.
- Reduced project build time by **over 40%** by parallelizing API and UI builds, saving over **6 minutes** per build.
- Fixed AWS ECS crash issue to reduce container CPU Usage by **70%** and memory by **60%**

Thomson Reuters

May 2018 - Aug 2018

Software Developer

- Led the development of an HR automation system which drastically reduced redundancy in the hiring process for one of the fastest growing companies in Canada.
- Significantly increased company efficiency through creating an accurate resume parser and automating emails and calendar events with **Javascript**.

Geotab

Jun 2017 - Aug 2017

Software Developer

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Viceroy Media, Inc.

Jun 2016 - Feb 2017

- Collaborated with a team to develop an Exam Network web app for the **University of Guelph**.
- Implemented a file system for course materials using **JavaScript**, including viewing, uploading, and downloading files.

PROJECTS

Conference Registration System

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Bridge Day

Apr 2017

- Established a secure registration system for **over 300 students** using **PHP** and **MySQL**.
- Implemented a nametag generator with **JavaScript** and a live workshop display with **PHP**, indicating spaces currently available in each workshop.

Exam Parser & Web Application

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IRHS DECA

Jun - Sep 2016

- Securely handled **over 200 user accounts** using **PHP** and **MySQL**, implementing industry standard database security measures (hashing, salting, etc).
- Developed a **Node.js** script to accurately parse PDF practice exams and output self-marking online forms to a web application, including a login system with admin access.

ACHIEVEMENTS

3rd Overall & Best Hardware

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MasseyHacks III

Apr 2017

- Engineered a device for the blind which speaks out the word that a user hovers their finger over on a physical page of text, using a **Raspberry Pi**, **Node.js**, **MongoDB**, and **Python**.

Loran Scholarship Semi-Finalist

Loran Foundation

- Recognized in the **top 8%** of applicants for Canada's most prestigious scholarship.

Nov 2016