

# Savan Malhotra

MOBILE AND WEB DEVELOPER | STUDENT AT THE UNIVERSITY OF WATERLOO

✉ savan.malhotra@uwaterloo.ca | 🏠 savan.dev | 🐙 SavanMalhotra | 🌐 SavanMalhotra

## Skills

**Languages** Java, JavaScript, TypeScript, Python, Swift, Kotlin, HTML/CSS  
**Technologies** Git, React, Bootstrap, MongoDB, Node, Express, Arduino, Twilio, Firebase

## Education

### University of Waterloo

Waterloo, ON

BMATH - COMBINATORICS AND OPTIMIZATION, MINOR IN COMPUTING AND ECONOMICS

Sep 2020 - Present

- Relevant Courses: Functional Programming, Algorithm Design and Data Abstraction (in C)
- Activities and Societies: Hackathon Mentor, UW Data Science Club, UW Economics Society, UW Coffee 'N Code Club

## Experience

### Notify | notifyapp.ca

Toronto, ON

COFOUNDER

June. 2017 - Present

- **Mobile Queue Management** for appointment based businesses looking to improve customer experience and retention.
- **Published iOS Android apps** that allow users to search and book appointments at nearby businesses
- Created an **Online Platform** for businesses to see their queue, notify customers, add walk-in customers, and see analytics to enhance their customer management
- Used **Swift, Java/Kotlin** for the mobile apps, and **React Node** for the web app

### CYNEA | cynea.org

Pickering, ON

VP OF TECHNOLOGY

Sep. 2019 - Present

- System that recommends users health recipes based on the Canada Food Guide
- Lead the team of **20+** to implement **iOS, Android** and Back end applications using Swift, Java, Node, and Algolia

### SOLUM | joinsolum.com

Remote

VP OF TECHNOLOGY

May. 2020 - Sep. 2020

- Shipped an **Interactive Web Dashboard** to connect student volunteers to long term care residents using VoIP
- Built using **React, Node** and the Zoom Web SDK

### SM Consulting

Toronto, ON

FREELANCE WEB DEVELOPER

Sep. 2015 - June. 2017

- Consulted and built dynamic websites for **5+** clients while providing input on operational improvements
- Experience with network protocol basics and API implementation, through development of e-commerce and promotional websites using **JavaScript**, HTML/CSS, PHP, SQL, SendGrid and **Twilio**

## Projects

### Valeo | Top 15/115

HackAgainstCovid

HTTPS://GITHUB.COM/HAC-2020/LOO41

Aug. 2020

- Online platform that provides small businesses digital expansion tips from a personalized chatbot, and an income tracker to improve market reach
- Focused on **System Architecture**, User Authentication, and Azure Chatbot implementation

### Autonomous Robotics | Pickering High School

Skills Ontario Robotics

ARDUINO, RASPBERRY PI, C/C++, SWIFT, PYTHON

Sep 2018 - May 2020

- Lead team to successfully design, build, troubleshoot and ship multiple autonomous robots which competed at the Skills Ontario Robotics Competition
- Implemented a MQTT network to interface a custom **iOS app** and a **Raspberry Pi**, leveraging intelligence collected from the phone to control the motor movement (2019-2020)

### PHS Network Portal

JAVASCRIPT, HTML, CSS, FIREBASE

- Built a **Content Management System** using a LAMP stack for my school's newspaper to streamline the editorial and publishing stages of articles directly to our website, internally used by **25+ members**
- Learned **CRUD** functions fundamentals, user authentication, database structures (MySQL/NoSQL), and **Project Life Cycle** stages