



Experience & Skills

Full-stack web developer with *4 years of experience* building side projects and contributing to the open source community.

- Comfortable with the software development life cycle. I create and maintain projects throughout multiple phases from design to development to deployment and maintenance.
- Extensive experience with user-facing and server-side technologies to create full-fledged applications. Here are some of them, listed in descending order by level of experience:
 - **Node.js, Express.js, SASS, Nginx, jQuery, React.js, React Native, and MongoDB**
- The languages I regularly use, listed in descending order by level of experience, are:
 - **JavaScript, Python, Java, Swift, Bash, C, and Assembly** (ARMv8)
- Substantial networking experience with REST APIs, NoSQL databases, and Firebase cloud services.
- Adept at working in UNIX environments and terminals (macOS/Linux) and using **Git** as version control.
- Currently teaching myself and building native iOS applications using **Swift** and **Sketch**.
- Briefly worked as a freelancer with clients to build websites and design logos.
- Full working proficiency in English, limited working proficiency in French.

Projects Highlight

- **socketChat** – Built an encrypted chat application using Node.js and Socket.io. Learnt how to establish instantaneous bilateral communication between a central server and its clients.
- **Face Recognition** – A Python 3 program which learns and recognizes your face using the webcam.
- **khanabdullah.com** – Express.js application running on a self-managed Ubuntu server; uses Nginx and Let's Encrypt. Also, Postfix is used for a custom mail system solution.
- **CollabCanvas** – An online canvas which multiple users can draw on together and communicate creatively with each other in real-time.

Education

University of Calgary – Computer Science

Spring 2022

- Relevant courses: Algorithm Analysis, Data Structures, Discrete Math, Linear Algebra, Computer Machinery, Statistics, Formal Logic

Sir Winston Churchill High School – completed AP Computer Science

June 2018

- Achieved Canadian Computing Competition Distinction – placed top 25% in Canada
- Awarded Alexander Rutherford Scholarship