

# Abdullah F. Khan



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Full-stack developer with 4 years of experience building products and contributing to open source.

## Skills & Attributes

**Technologies:** Node.js, Express.js, SASS, Nginx, jQuery, React.js, React Native, iOS, and MongoDB

**Languages:** JavaScript, Python, Java, Swift, Bash, C, and Assembly (ARMv8)

- Extensive experience with user-facing and server-side technologies to create web applications
- Substantial networking experience with REST APIs (Postman), NoSQL databases, and Firebase.
- Adept at working in UNIX environments (macOS/Linux) and using Git as version control.
- Full working proficiency in English, limited working proficiency in French.

## Work Experience

### Full-stack Software Engineer Intern

**Royaltymine** | January 2020 – Present

- Working with MongoDB, Express.js, React.js, Node, and Redis

### Developer & Designer

**Google Code-in** | December 2017 – February 2018

- Developed small web-apps for various organizations participating in Google Code-in
- Designed illustrations and logos to create brand identities for the same organizations
- Utilized Node.js, ES6 JavaScript, jQuery, Bootstrap. Learnt about working with REST APIs and version control

### Full-stack developer & UI/UX Designer

**Freelance** | August 2016 – November 2019

- Develop full-stack web and mobile applications for individual clients and small businesses to help establish their online presence
- Design modern user interfaces and experiences as well as illustrations and logos
- Regularly utilize Node.js, Express.js, MongoDB, Python, React, Swift (iOS), and Linux (system administration)

## Projects Highlight

**socketChat** – A beautifully designed, secure chat application built using Node.js and Socket.io. Learnt how to establish bilateral communication between a server and its clients in real-time

- *Role:* Full-stack developer, UI/UX designer, System Administrator
- Lead to in-depth understanding of the product development cycle and great improvement in my design and full-stack web development skills

**Face Recognition** – A Python 3 program which can learn and recognize your face using the webcam

- Result of my extensive research in computer vision, built for my final year high school project

**khanabdullah.com** – An Express.js application running on a self-managed Ubuntu server; uses Nginx and Let's Encrypt. Uses Postfix for a custom mail system solution

- *Role:* Full-stack developer, UI/UX designer, System Administrator
- Portfolio site built from scratch following industry best-practices in design and performance

## 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**, AP Computer Science

*June 2018*

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