

# Abdullah F. Khan



[khanabdullah.com](https://khanabdullah.com)  
[github.com/abdullah-K](https://github.com/abdullah-K)  
[contact@khanabdullah.com](mailto:contact@khanabdullah.com)

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

## Skills & Attributes

**Technologies:** Node, Express, React, MongoDB, SCSS, Nginx, jQuery, React Native, and iOS

**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 knowledge of REST APIs (Postman), NoSQL, Google Cloud, and Firebase
- Adept at working in UNIX environments 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 (Mongoose), Express, React, Redux, Bootstrap, Node, and Redis
- Built a video creation and processing pipeline using FFMpeg to generate promotional content. Offloaded core functionality (audio/video encoding and streaming) to a Google Cloud Function
- Proposed and led the redesign of the main platform to help revitalize Royaltymine's brand identity. Successfully increased user conversion rate by more than 15% on the landing page
- Impacted thousands of artists, fans, and investors with features I built

### 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, ES6 JavaScript, jQuery, and Bootstrap. Learnt about working with REST APIs and version control

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

**Freelance** | August 2016 – Present

- Develop web and mobile applications for individual clients and small businesses to help establish their online presence. Design modern user interfaces, illustrations, and logos.
- Utilize Node, Express, MongoDB, Python, React, Swift, Sketch, Figma, and UNIX

## Projects Highlight

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

**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

## 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