



## Languages:

Python  
Javascript  
Java

## Tools:

Docker  
Kubernetes  
MongoDB  
Elasticsearch  
Node.js  
Git

## Libraries:

ExpressJS  
Socket.IO  
Flask  
Tensorflow

## Clouds:

AWS  
GCP

## Experience:

Knowtworthy - *Co-founder and CTO* - (Nov. 2017 - Present)

- As a Co-founder, I worked with my peers to materialize our idea and build it into a company. I worked with them to engineer our product from mockups, to a Minimum Viable Product that we tested with over 100 users.
- As CTO, I built our backend API(Node.js and MongoDB), setup our servers and hosting(AWS and Kubernetes), and managed our logging/metrics pipeline(Elasticsearch and Kibana).
- Affiliated with the University of Toronto's Entrepreneurship Hatchery and **placed second, winning \$10,000** for the company at the Hatchery's 2018 Demo Day.

BDM Trucks - *Freelance Developer* - (Sep 2017 - Nov 2017)

- A freelance project for a company near my hometown, where I helped them save costs on hosting and updated their website to help them gain visibility.
- I handled their domain to transfer their hosting to lower server costs. I re-built their website using Bootstrap 4 to make their website modern and responsive for better SEO.

SBIRT - *Freelance Developer* - (Oct 2015 - Dec 2016)

- A research team at Shenandoah University's School of Pharmacy wanted to build an app to track drug abuse in the local area. Using the app, clinics in town provided data to researchers, which facilitated a better understanding of local drug abuse.
- I built an iOS app, an Android app, and a backend server(GCP) to collect this data from physicians and aggregated this data for the researchers to use for their study.

## Projects:

Sentiment - (Aug 2018)

- Sentiment was a Hackathon project I made with a few friends at Hack the 6ix. Sentiment would transcribe a conversation and perform linguistic analysis to provide members of the conversation feedback about their language — all in real-time.
- I built the backend pipeline that handled the real-time audio stream and converted it into text with added linguistic analysis. Competing against over 300 people at the hackathon, we came in **first place and won the hackathon**.

AI Chatbot using Tensorflow - (Aug 2016 - Dec 2016)

- In order to better understand AI and Tensorflow, I built a chatbot that learned from conversations in movie dialogs. The chatbot was based on a Seq2Seq model that was state of the art, at the time of the project.
- Since publishing the code, the project has received **44 Stars and 25 Clones** and garnered the attention of Siraj Raval(<https://www.youtube.com/c/sirajraval>).

## Education:

University of Toronto - (Sep 2017 - Apr 2021)

- Affiliated with the University of Toronto's Entrepreneurship Hatchery