





# Tahmeed Hossain


Software Engineer/CPT

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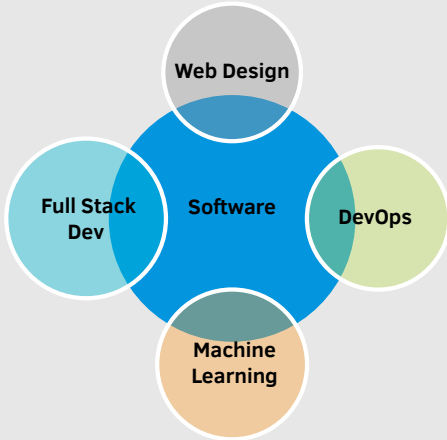
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## Technical Skills

### Overview



### Programming

0 LOC —————> 5000 LOC

NodeJS • Java • Python

PHP • SQL • ReactJS

Javascript • C++ • R

## Education

### B.Sc., Computer Science

University of British Columbia

2016 - 2021 | Kelowna, Canada

### CPT, CFES Personal Trainer Diploma

Okanagan College

2018 - 2020 | Kelowna, Canada

### First Aid Certification

Red Cross

2020 | Vancouver, Canada

## TECHNICAL SKILLS

FrontEnd **HTML, CSS, ReactJS, Material UI, Javascript, Flutter**

Backend **NodeJS, Express, PHP, MySQL, PostgreSQL, FireBase**

Other **Python, R, Bash, Tensorflow, Excel, SolidWorks, Git, Docker, Digital Ocean**

## LEAD EXPERIENCE

April 2020 - **Backend Engineer (Core-Developer)**

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August 2020

- Developing iOS and Android Application using **Flutter** and **Node.js/TypeScript.js**
- Built CRUD Services for multiple features and data transfer from client to server side with REST APIs.
- Wrote test scripts and unit tests for data layer functions to meet project requirements using **Jest**.
- Collaborated across cross-functional teams to deploy data pipelines in **development** and **production**.

April 2020 - **Backend Engineer (Project Manager)**

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August 2020

- Developed web application that provides accessibility to agricultural data to farmers and government workers in Kenya using GIS
- Built complete functional user-driven system with **Postgres** database and wrote **Node.js** server side application to compile farmer data and generate crop data based on user inputs
- Optimized development and coordinated deployment of software project within 4-month timeline with Agile software development
- Building continuous deployment pipelines working with **Docker**

## TECHNICAL PROJECTS

Jan 2020-

### Personal Trainer App

University of British Columbia

May 2020

**App:** Built a Personal Trainer Client Communication app using **Java** in Android studio for **UI design** and **Google Firebase** for the database.

- Designed and Programmed application that is geared towards an older demographic to provide a user-friendly interface.
- Allowed personal trainers to upload clients workouts and distribute to clients through platform

Jan 2020-

### Machine Learning Project

University of British Columbia

Apr 2020

**Chatbot Model:** Constructed complex neural network using stochastic gradient descent and principal component analysis using **python** libraries such as **Tensorflow** and **Tflearn**.

- Created custom tokenized data sets sorted by the pre-processing library (**nlTK**) and stored into dictionary arrays and converted into **numpy** arrays to train neural network on user input patterns.
- Tested and implemented different activation functions on neural network such as sigmoid, softmax, and linear functions to optimize data accuracy by mapping response values.

## WORK EXPERIENCE

Jan 2021-

### Fitness World

Fitness World

Apr 2020

**Sports Performance Specialist/Personal Trainer:** Helped individuals reach their fitness goals

- Create exercise prescriptions for clients based on health and wellness goals
- Analyze and evaluate clients for strength and fitness progression
- Manage 10+ clients in fast paced environment with communication and proper scheduling

