

# Sukhveer Sohi

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📄 [iamsohi.github.io/portfolio/](https://iamsohi.github.io/portfolio/)

🐙 [github.com/IamSohi](https://github.com/IamSohi)



## TECHNICAL SKILLS

Programming	JavaScriptES6 Python HTML5 CSS3 Node.js SQL java PHP
Frameworks	React(Redux) Django Express.js Material-UI Bootstrap AWS Amplify JavaFX Firebase Serverless(AWS lambda)
Platforms	Cloud Computing(AWS) Windows Linux Nginx Git(version control) Ubuntu Arduino ROS
Authentication	Firebase Auth0 AWS-Cognito
Testing	React-Testing-Library JEST Selenium Postman
CI/CD	Docker Docker-compose Jenkins Bitbucket-Pipelines GitHub(Web-hooks) Microservices Design AWS-CodePipeline
Collaboration	JIRA Confluence Slack MS-Teams Github-Projects Monday.com
Others	MySQL NoSQL(Key value, document store) PostgreSQL WebRTC AWS-STS Restful APIs MVC Kanban(Agile)



## EXPERIENCE

### Web & Cloud Engineer (Contractor)

ezPT Technologies Ltd.

01/2021 - Present

SURREY

#### Achievements/Tasks

- Built a full-stack web platform to better engage patients and therapists in the treatment of physical injuries through the web app and healthcare device providing real-time analytics.
- Implemented a new containerized deployment and CI/CD strategy using Docker and Jenkins, **reducing the production time by 96.7%**. Also optimized resource usage by configuring a multi-container environment on a single EC2 instance using docker-compose.
- Successfully applied **Kanban agile methodology** and helped set up DevOps environment reducing the lead time and increasing feedback iterations.
- Developed the **front-end** using **React (Hooks), Material-UI, HTML5, CSS3, JavaScript ES6**, and **back-end** using **Express.js, Node.js, Django (Python), Firebase, SQL**, test the application using **JEST** and **Selenium**.

### Full-Stack Web Developer

Tellex Inc.

12/2021 - 05/2022

VANCOUVER

#### Achievements/Tasks

- Developed a **WebRTC**-based solution for **teleoperating** a Linux-based robot from the JavaScript front-end, which **decreased the latency by 90%**.
- Lead the transition to **Automated Testing** using tools such as JEST, React testing library, and Selenium to perform various tests as a part of the **CI/CD pipeline**. This increased the code quality and **slashed release time by 58%**.
- Built a secure and scalable **RESTful APIs** using **AWS API gateway** and **lambda** services that served data to the front-end based on dynamically chosen user inputs.
- Enhanced the **security of video streaming service** by developing AWS lambda to issue temporary STS tokens to access the streams.
- Worked on implementing a **Git flow strategy** for frontend application that enabled better code control and decreased conflicts.



## PROJECTS

### DevOps - CI/CD with AWS

- Created and automated a CI/CD pipeline with AWS services like **CodeCommit**, **CodeBuild**, **CodeDeploy**, and **CodePipeline**.
- Deployed a pre-build website to development and production environment on AWS-EC2 servers using **Blue-Green deployment** strategy.

### DevOps - Website Transition

- Containerized a traditional website using **Docker** and **Docker-compose** for transition to a more DevOps-friendly environment.
- Added Unit and Integration tests using **RSpec**, **Capybara**, and **Selenium** and deployed the website on **AWS-S3** using **Terraform** and **Jenkins** server.

### Professional Portfolio

- Implemented and deployed a Professional Portfolio in **React** highlighting **responsive web design** and interactivity.
- Coded in **JavaScript ES6**, **HTML5**, **CSS3**, **Material-UI**. Available at <https://iamsohi.github.io/portfolio>

### Weather App in React

- An interactive weather app in **React** that lets you have the up-to-date weather information of your favorite cities and remembers all your preferences. Available at <https://iamsohi.github.io/WeatherApp-React/>
- Developed the **Front-End** in **React (JavaScript, CSS3, HTML5)** using hooks, **Material-UI**, and **BootStrap** along with **Weather API** integration.

### TODS- JAVA POS system

- Collaborated** with four other students to plan, code, test, deploy, and presented a working Point-Of-Sale system in **Java** and **SQL**.
- Followed the **Agile** process with a **Sprint every two weeks**, and assured software quality standards by performing **functional tests**. Additionally, documented the software report and user manual. Available at <https://github.com/iamSohi/TODS>

### IdoToday- Full Stack Web Application

- A real-time networking website integrated with instant messaging service; **SEO Optimization** Achieved PageSpeed of 3s. Available at <https://web.archive.org/web/20171005030146/https://www.idotoday.net/register/login>
- Coded in **CodeIgniter** framework using **PHP**, **SQL**, **Node Js**, **Nginx**, **Apache** server at **Back-end** & **JavaScript**, **JQuery**, **HTML5**, **Bootstrap** at **Front-end** and deployed on **AWS remote web servers** with **load balancing** to efficiently manage online traffic, along with **SSL/TLS encryption**.

### EasyRoll- Game Development

- Designed, developed, and published an **android** game on **Google Play**.
- Coded in **Java** using **Android Studio** and **Google Play APIS**.
- Link: <https://play.google.com/store/apps/details?id=com.sssproduction.naughtyssofts.games&hl=en>



## EDUCATION

### Computer Science & Information Tech. KWANTLEN POLY. UNIVERSITY, SURREY

05/2018 - 05/2020

Overall GPA: 3.87



## CERTIFICATES

### ML with TensorFlow on Google Cloud Platform (08/2020 - 12/2020)

Learned to use the Keras Sequential and Functional APIs, Cloud Computing, BigQuery, Implementing Data Pipeline, Feature Engineering

### Coursera Deep Learning Specialization (03/2019 - 06/2020)

Gained applied knowledge of deep learning with a keen focus on Convolutional networks, RNNs, LSTM, Adam, Dropout, BatchNorm, Xavier/He initialization, NLP, and Sequence Models.