

Parm Johal

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[Parm Johal](#)

Education

Bachelor of Computer Science

June 2020

University of Victoria
Victoria, BC

Relevant Skills

Techniques

- Application deployment
- Web development
- Distributed system scalability
- Database management
- Object-Oriented programming
- Full Stack development
- REST API's
- Agile methodology

Programming Languages

- C
- C#
- Java
- Python
- HTML
- CSS
- JavaScript
- SQL
- Typescript
- Dart

Software/Frameworks

- Angular
- Linux Bash
- PostgreSQL
- Heroku
- Docker
- NestJS
- Django
- Django REST framework
- React
- Git

Professional Skills

- Knowledgeable in the concepts of REST API's by implementing it within full stack applications for communication between the front end and back end
- Developing, Deploying, and managing web apps using cloud platforms such as Heroku, AWS, Digital Ocean, and Azure
- Experience in using version control systems such as Git by pushing and pulling project source code, using feature branch workflow, and dealing with merge conflicts when necessary
- Experience in scaling software systems by creating multiple secure servers to communicate with each other and servicing up to 1000 users at once in an efficient manner.
- Use of HTML, CSS, and JavaScript to create a landing page for clients and my portfolio website
- Knowledgeable in Python programming from connecting servers and databases together using Django and Django REST framework
- Experience working collaboratively by working with diverse teams in both school and sports environment
- Leadership skills developed in group projects by coordinating schedules, setting up meetings, and submitting work before deadlines
- Developed a strong sense of commitment from being a varsity athlete
- Strong time management skills with the ability to stay organized while maintaining multiple commitments such as school, work, and varsity

Employment History

Web Developer

September 2020-Present
Victoria, B.C

Run-Up Records

- Developing a music web application for a client using Django for the Back end and React.js for the front end

Full Stack Developer

Digital Health Lab, UVic

July 2020-Present
Victoria, B.C

- Developing the latest user-facing features using React.js with TypeScript for researchers to create their mobile intervention programs
- Designing a modern highly responsive web-based user interface
- Communicating with researchers to translate designs into high quality code
- Building backend web API's using Django and Django REST Framework for storing data from created programs and participant progress

Web Developer

Rev Status

August 2019-Present
Victoria, B.C

- Created a landing page for a client by communicating and meeting their requirements
- Continuously maintained the website by checking for bugs and also updating it

Vikes Intramurals Supervisor

University of Victoria

January 2017-March 2020
Victoria, B.C

- Organized games for UVic students
- Managed and resolved conflicts between players by making quick and fair decisions

Academic Tutor

Math4Me

January 2018-August 2019
Victoria, B.C

- Educated k-12 & University students in core subjects such as Math, English, and Sciences
- Increased confidence in students by improving their grade percentage
- Communicated with parents to meet their requirements and receive feedback
- Supervised 3-4 students at a time and dealt with different subjects at once.

Projects

PJ Flights

May 2020-July 2020

Full Stack SPA Website

- Developed a full stack app using Angular in the front end, NestJS for the back end server, and PostgreSQL for the RDBMS
- Used RESTful API practices to create CRUD functions to receive data from the database and display it in the front end

Randomizer

May 2020-June 2020

Android App

- Developed an app using Kotlin Programming language within Android Studio IDE
- Designed and tested the UI interface for good functionality and user experience

DayTrading Inc.

January 2020-April 2020

SENG 468, University of Victoria

- Built a distributed system starting at one user and scaling it up to 1000 users
- Created an efficient architecture and deployed it using Docker containers
- Constantly checked security measures and ensured that the system ran without bugs
- Tested our running system using performance analysis and capacity planning techniques

Universal Math Education

September 2019-December 2019

CSC 370, University of Victoria

- Developed a database with a team by creating ER models and functional dependencies
- Implemented using PostgreSQL and Python and testing the data with sophisticated queries

Personal Interests

- Personal interests include exercising, discovering new music, and meeting new people.
- Playing on a soccer team in a competitive league
- Staying in shape by hiking, running and using the gym regularly.