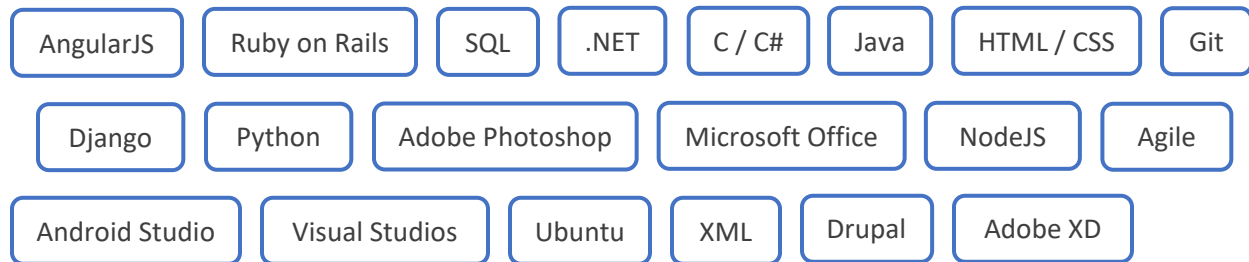


Atinderpaul Kanwar

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GitHub: <https://github.com/apkanwar>

Skills



Education

BASC. SOFTWARE ENGINEERING | 2016-2020 | UNIVERSITY OF OTTAWA

- Major: Software Engineering
- Minor: Engineering Management and Entrepreneurship
- Related coursework: Databases Design, Software Construction, Operating Systems, User Interfaces, Real Time Systems, Enterprise Architecture, Software Requirements

Work Experience

RESEARCH ASSISTANT | BIOTALENT CANADA | JUNE 2020- AUG 2020

- Built a drag and drop tool that allows for the modelling and simulation of gene circuits in **Django**
- Used **Python** to set up a local backend database for our application.
- Used **the Google Cloud Platform** to host the server to run the website

JUNIOR APPLICATIONS DEVELOPER | BABCOCK CANADA | MAY 2019- AUG 2019

- Migrated previous Access databases to **Microsoft SQL** and merged and created a new **SQL** database using Visual Studios.
- Created a User Interface using **ASP.NET** with the Model, View, Controller (MVC) model, requiring advanced knowledge of **C#**, HTML, CSS, and JavaScript.
- Worked with company clients to make sure we both came to a mutual understanding and agreement on software requirements on the application.

TELECOMMUNICATIONS ANALYST | CRTC | SEPT 2018- DEC 2018

- Researched and assessed the ability of VPNs to provide out of market content of through Virtual Border Hopping

- Researched the use of multi-media software which allowed for the development of my coding knowledge by learning Windows Batch Script
- Furthered communication skills by presenting the researched knowledge to CRTC colleagues, peers as well as the community

DRUPAL WEB DEVELOPER | UNIVERSITY OF OTTAWA | MAY 2017- AUG 2017

- Created, redesigned, and migrated websites for the fields related to uOttawa Faculty of Medicine
- Further gained teamwork skills when working beside colleagues with different skillsets to create the best possible websites without any bugs
- Increased communication skills while working in a new environment with a six-person team

Other Experience

ENGINEERING CAPSTONE PROJECT – 8 MONTHS

- Created an interactive floorplan with the ability to create and modify virtual rooms on each floor
- Used NPM libraries to build mobile and desktop compatible applications using **AngularJS**
- Worked on a pre-existing backend which consisted of storing data using **Ruby + PostgreSQL** and used **Amazon S3** to store images in the database.
- Experienced in setting up **GitHub Actions** for CI testing

UOE RACING – UNIVERSITY OF OTTAWA ELECTRIC CAR RACING TEAM

- Founded the University of Ottawa's first electric car team in 2016 and led them to grow to over 200 members in 3 years
- Programmed the uOttawa's electric car racing team's motor controller for their electric vehicle using interrupt driven service routines.
- Developed a program to run a BLDC motor for their electric vehicle and placed 4th at the Shell Eco-Marathon 2019 Americas.

UOTTAHACK 2019

- Developed a program to run a BLDC motor for their electric vehicle and placed 4th at the Shell Eco-Marathon 2019 Americas.
- Participated in uOttawa-based hackathon with a three-person team to develop a software system within a period of two days
- Created software using Firebase, Microsoft Azure Face API, Spotify API to generate customized Spotify playlists based on user emotion
- Worked on developing database skills and using custom APIs within projects