

Jake Majcan

Software Developer

Creative and self-starting software developer with a background in frontend development building stable e-health websites and apps in fast-paced, collaborative environments. Highly skilled in React, Redux, Bootstrap, and Spring Boot and well-versed in Scrum and Agile.

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EXPERIENCE

Software Developer

VeroSource Solutions Inc.

01/2020 - Present

Fredericton, NB, Canada

VeroSource is a Canadian e-health company that is dedicated to improving patient outcomes through data analysis and communications.

Achievements/Tasks

- Created web apps that allow users to receive their medical test results immediately when they are available, improving the wait time from 7-14 days to 24-72 hours (React, Redux, and Bootstrap).
- Developed a mobile application that allows medical professionals to immediately upload digital assessments allowing the client to migrate to a paperless system (React-Native, Redux, and Bootstrap).
- Designed RESTful APIs for microservices using Spring, Spring Boot, Hibernate, PostgreSQL.

Image Analyst and Python Developer

University of New Brunswick

05/2018 - 08/2018

Fredericton, NB, Canada

UNB's geodesy and geomatics engineering department creates 3D models and develops and test navigation systems to better understand the Earth.

Achievements/Tasks

- Developed Python programs that subdivide a location given longitude and latitude on a digital map to a specified number of subdivisions.
- Created documentation and guides for using existing and newly created software.
- Identified test scenarios, estimate test effort, and create test plans for future digital mapping projects.

Data Analyst

New Brunswick Department of Transportation

05/2018 - 08/2018

Fredericton, NB, Canada

DTI is a part of the Government of New Brunswick. It is charged with of maintenance of government facilities and the province's highway network.

Achievements/Tasks

- Created scripts to automate statistical analyses of collected datasheets using NumPy, Matplotlib, and Pandas.
- Developed software to automate the production of highway deterioration curve graphs using NumPy, Matplotlib, and Pandas.
- Collected map features from digital highway videos while features were interactively collected using GIS software.

ORGANIZATIONS

UNB Dev Society (01/2019 - 08/2020)

Founder/Vice President - Responsible for overseeing directors, event planning, marketing, social media, and building connections for the society with students and companies.

CUSEC - UNB Delegate (01/2018 - 01/2020)

Chosen as one of the 12 students to represent the University of New Brunswick at the Canadian University Software Engineering Conference for three years.

EDUCATION

Bachelor of Science in Software Engineering

University of New Brunswick

09/2014 - 05/2020

Fredericton, NB, Canada

SKILLS

Programming Languages

Java, Javascript, HTML, CSS, Python, SQL, C#

Technologies

Git, React, Redux, Bootstrap, React-Native, Spring/Spring Boot, Flask, PostgreSQL, Unity, Docker, Postman, NumPy, Matplotlib, Pandas

PROJECTS

Lunarogue (01/2020 - 04/2020)

- A Unity indie game that follows the story of a Space Fighter Pilot as he navigates to beat the torturous Pytta Gore (C#).
- Enhanced AI tracking for boss levels using unity physics and libraries with some custom AI tracking (C#).
- Created custom graphics for characters and level objects (Unity).

Smart Stats (09/2018 - 04/2019)

- A mobile application that provides an interface for the smart devices created and provided by the Institute of Biomedical Engineering UNB.
- Developed API endpoints to save and get the smart device's data (Python/Flask, PostgreSQL).
- Developed a login screen and a screen for visualizing the data from the smart device after it is stored in the database (React-Native).

Novel Trail (01/2019 - 04/2019)

- Created a mobile application that allowed the user to keep track of what books they were reading and where they left off in the book (Android).
- Created screens where the user could manually enter the name, author, what page they are on, and the page count of the book (Java).
- Created a feature to save the user's information to local storage (Java).