

JATIN KALSI

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[Website](#) | [LinkedIn](#) | [GitHub](#)

Skills

Programming: Java, Python, Javascript, Ruby
Web & Databases: HTML, CSS, SQL, PostgreSQL
Frameworks: React.js, Express.js, Ruby on Rails, Bootstrap
Tech: Git/Github, Insomnia, Visual Studio Code, IntelliJ, Eclipse

Education

Concordia University

Exp. Graduation: 2025

Bachelor's in Computer Science (Co-Op Option)

CEGEP Vanier

DEC in Computer Science and Mathematics

• **Relevant Courses:** Object-Oriented Programming, Data Structures & Algorithms, GUI Development

Projects

Social Media Site

Montreal, QC

Personal Project [[GitHub](#)] [[Website](#)]

Jul 2022

- Built a social media platform inspired by features of Reddit and Twitter using **MVC** architecture
- Added **CRUD** functionality for creating new communities, posts, and comments
- Developed features for liking and subscribing to communities, posts, and comments
- Used **ORM** (Active Record) with schema migrations for data access
- Implemented **user authentication** with hashed passwords for data security
- Migrated from SQLite to PostgreSQL in production and deployed to Heroku
- **Used: Ruby, Ruby on Rails, PostgreSQL, Bootstrap**

Music Album REST API

Montreal, QC

Personal Project [[GitHub](#)] [[Website](#)]

Jun 2022

- Developed a **REST API** that stores music artists and albums alongside their descriptions
- Implemented **MVC** design pattern to structure data neatly and efficiently
- Tested **CRUD** API endpoints using Insomnia and used Axios for API fetching
- Used **ORM** (Sequelize) in PostgreSQL for data access and deployed to Heroku
- **Used: React.js, Node.js, Express.js, PostgreSQL**

Physics Simulation

Montreal, QC

CEGEP Coursework: Semester long project [[GitHub](#)]

Jan – May 2022

- Led a team of 4: organized meetings, delegated tasks, fixed teammates' bugs, etc. Attained **100%**
- Implemented mathematical calculations/formulae of the physics concept into the simulation
- Designed the overall app concept and layout, including all windows and screens shown to the user
- Used **JSON** to fetch data and pictures relating to the simulation
- **Used: Java, JavaFX, CSS**

MLB Gameday Scores API

Montreal, QC

Personal Project [[GitHub](#)]

Jun 2022

- Created a very simple website that displays live scores from MLB games using the MLB Stats API
- **Used: React.js, Hooks (State/Effect), JSX, Bootstrap**