

# René Levesque

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## Experience

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### Capital One

Software Engineer Co-op

Jan 2022 – Apr 2022

- Built a React AB testing framework for capitalone.ca
- Decreased cost by eliminating dependency on third party AB testing framework.
- Decreased time to create AB tests since all team members are proficient in React.

### XE.com

Full Stack Developer Co-op

May 2021 – Aug 2021 | Remote

- Implemented microservices to update currency metadata using **Java** and **AWS** Lambda.
- Created a new endpoint using AWS API Gateway to expose currency metadata.
- Wrote **Python** scripts to find and backfill missing currency rate data.
- Revived development environment of a legacy application and documented setup process.

### Sleep Country Canada

Web Developer Co-op

Sep 2020 – Dec 2020 | Remote

- Built **SQL** integration between sales and payroll on Oracle Integration Cloud. Processing 300,000 transactions per pay period.
- Overhauled UI of reporting tool using Bootstrap components and **C#** to significantly improve UX.
- Built a dashboard to be used by hundreds of sales associates using C# and MSSQL.

### Sleep Country Canada

Web Developer Co-op

Jan 2020 – Apr 2020 | Brampton ON, Canada

## Skills

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C++ | Java | C# | JavaScript | Python  
Spring Boot | SQL | React | React Native  
AWS | Docker | Redis | MongoDB | Git

## Education

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### BASc Honours Computer Engineering

University of Waterloo

Sep 2019 – Apr 2024

Cumulative Average: 89.84%

Term Dean's List: 1

## Projects

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### Paranoia Party Game - Java, Javascript

- Rest API and Websockets implemented in a **Spring Boot** application.
- Frontend built with **React** using Material UI.
- Game state data is stored in a **Redis** database.
- Static frontend hosted on Netlify.
- Spring Boot application deployed to Heroku using a **Docker** Container.

### Personal Blog - TypeScript, Python

- React app containing functionality to create, edit, view, and comment on posts.
- Used FastApi and Python to build a Rest API.
- **MongoDB** database to store posts and related data.

## Awards

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### Sandford Fleming Foundation Programming Competition Award

Jul 2020

- Winner of Waterloo engineering competition (programming).
- Built an educational search engine using the Google custom search API and C#.