

REMUS CALUGARESCU

(226) 505-4457 | remcalu@outlook.com | remcalu.github.io/Personal-Website

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, TypeScript, CSS, HTML, SQL, Groovy, C++, R
Frameworks/Libraries: React, Vue.JS, Redux, Jest, Node.JS, Selenium, Spock, JUnit 4, Pandas, Material UI
Other Technologies: Linux, Git, AWS, Docker, Spring Boot, MySQL, Gradle, Maven, Jira, Assembly

EDUCATION

University of Guelph

Guelph, ON

Bachelor of Computing - Computer Science (Co-op), Minor in Statistics

Sep 2019 - May 2024 (expected)

GPA: 4.0/4.0 (93% cumulative)

- Dean's Honours List: Awarded for consistently demonstrating academic excellence. Sep 2019 - Present
- Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Software Development, Software Design, Web Design, Mobile Computing, Legacy Programming, Statistics, Calculus, Linear Algebra

WORK EXPERIENCE

CloudOps

Montreal, QC, Canada

Full-stack Developer Intern

May 2022 - Aug 2022

- Full-stack development of a web and API based tool using Java, Groovy, Vue.JS, JavaScript, MySQL, and Jest that provides private and public multi-cloud management services through the use of AWS, GCP, Azure and more.
- Leveraged the AWS Java SDK and company SDK to give users the ability to manage AWS EKS Kubernetes clusters.
- Enhanced the performance of various AWS SDK implementations by over 300% through the use of Redis caching, and stricter API calling procedures.
- Ensured high software quality and application code coverage of over 90% through the performance of code reviews, PR reviews, acceptance reviews, and the implementation of back-end and front-end unit tests.

NCR Corporation

Waterloo, ON, Canada

Software Developer Intern

Sep 2021 - Dec 2021

- Front-end development of a web banking application, using React, Redux, TypeScript, and Jest, resulting in changes that had an impact on over 3,000,000 users.
- Improved the application's Zelle payment API implementation to meet the new documented design specifications layed out by Zelle.
- Refactored 50+ UI components that originally used native React state management to use Redux.

Nymion Solutions

Montreal, QC, Canada

Full-stack Developer Intern

Apr 2021 - Aug 2021

- Created a data parsing tool with Java, Node.JS, JavaScript, HTML, and CSS that flagged sensitive information from files such as PDFs, images, and spreadsheets with a detection rate of over 95%.
- Presented the results in the form of heatmaps and spreadsheets using Python, Pandas, and Seaborn.
- Developed a RESTful API from scratch through Express.JS to provide data to the tool's front end portal, and allow users to call the API for their own custom implementations through an API key.
- Bundled the tool with Gradle, containerized it with Docker, and deployed it to an AWS EC2 instance to provide worldwide access to the tool's services.

PERSONAL SOFTWARE PROJECTS

Auto Mega *Java, Spring Boot, React, Redux, TypeScript, Docker, MySQL*

<http://autome.gq>

Created a full-stack web application with Java, Spring Boot, React, Redux, TypeScript, Docker, and MySQL that allows users to search for, and view vehicle ads from Autotrader, Kijiji, and Carpages through a single centralized hub.

WeMorabilia *React, TypeScript, Jest, GraphQL, AWS Amplify/S3/Lambda/Cognito*

Utilized React, TypeScript, AWS Amplify, and other various AWS services to create a responsive group scrap-booking website, where users may sign up to upload, view, and delete photos with descriptions.

Scrape Mega *Python, JavaScript, Node.JS, Pandas*

Developed a website with a Python backend for extracting laptop information from Canada Computers, and compiling the data into tables and spreadsheets, to allow for easy comparison between gaming laptops.

GPS File Tool *C, JavaScript, Node.JS, MySQL*

Built an API-centric web application with a C back-end, and a MySQL database that allows users to view and create GPS files that they can use on their phones, and share with others.

EXTRACURRICULAR ACTIVITIES

CamHacks Hackathon Participant, placed 4th

Dec 2018

- Competed against 25 other groups tasked with writing a series of small programs.
- Directed a group of 2 other people by dividing up the workload to increase overall productivity.