

# EMILIO ROCHE

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## SKILLS

Languages:	Java, PHP, JavaScript, TypeScript, C, C#, Python
Developer Tools:	Docker, Github Actions, Heroku Cloud, Postman, Git, MacOS, Windows, Linux
Frameworks & Libraries:	Laravel, CakePHP, Angular, React, Express, Node
Databases:	MySQL, SQL, PostgreSQL

## WORK EXPERIENCE

### Katapult/Markette

*Full-Stack Developer*

Calgary, AB

Dec. 2022 - Present

- Worked within an Agile Scrum environment to enhance and maintain an investment management platform, developing new features built with Laravel, CakePHP, JavaScript, and Vue.
- Led design and implementation of a document watermarking feature within the platform's document signature service using Laravel, to enhance client document authenticity and security.
- Handled 2-3 client database migration requests per week using MySQL, ensuring seamless deployment for upcoming releases.
- Remained available to address live production issues, minimizing downtime and ensuring rapid resolution.
- Actively collaborated with QA team to resolve open critical bugs within the platform, ensuring optimal functionality, performance, and user experience.
- Developed and configured an automated test result notification system to identify failing tests during the daily CI/CD Bitbucket automated regression testing pipeline, for issue detection and resolution.

### Dalhousie University (Computer Science Dept.)

*Information Technology Help Desk Technician (Part-time)*

Halifax, NS

Jan. 2022 - Apr. 2022

- Handled over 100 ticket requests per month through proactive troubleshooting, ensuring minimal downtime and successfully resolving 90% of issues within 30 minutes of creation.
- Setup hardware, install and configure new workstations for faculty members and students, ensuring optimal performance and security.

### SimplyCast

*Jr. Developer (Co-op)*

Halifax, NS

Jan. 2021 - Apr. 2021

- Maintained and enhanced the automated communication platform by refactoring the codebase in JavaScript and PHP, increasing scalability for new features and enhancing Agile velocity.
- Enhanced the platforms stability by actively monitoring backlog and implementing timely bug fixes in order to maintain a total bug count below 5% of open tickets.

### MDA Space Ltd.

*Software Developer (Co-op)*

Halifax, NS

May 2020 - Aug. 2020

- Supported the development and maintenance of the Submarine system application in Angular, developing new features and reducing bug defects as they arose.
- Implemented a new dropdown window feature in a Submarine system application using TypeScript, enhancing functionality by displaying organized submarine data for improved user experience and accessibility.

### Government of Canada (Public Service Commission)

*Jr. Programmer Analyst (Co-op)*

Halifax, NS

Sept. 2019 - Dec. 2019

- Created and scaled automated test scripts using Selenium to validate the functionality and reliability of applications in development, reducing testing time by 75% and increasing efficiency in the testing process.

## EDUCATION

### Dalhousie University

Bachelors of Computer Science - Specialization: Communications and Cyber Security

Halifax, NS

Sept. 2017 - May 2022

## PROJECTS

### Classification of Encrypted Network Traffic - SDN Research Project (CSCI 6709) P4, Python

SDN Research Project: Implemented a decision tree on a software-defined switch to classify encrypted network traffic into 7 types using 4 key packet features (max fiat, max biat, max flowiat, and max idle).

### Sports Stats Web App *Express, React, Heroku, Github Actions, PostgreSQL*

Football Stats from my 6 favourite leagues around the world. Standings data is automatically updated once every week on Mondays, done with Github Actions, on a Workflow Cron Job.

## AWARDS

### Dalhousie University

Dean's List

2019/2020/2021/2022