

EMILIO ROCHE

Calgary, AB · emiliosroche@gmail.com · 281-912-4719 · <https://emilioroche.github.io>

SKILLS

| | |
|-------------------------|---|
| Languages: | Proficient in Java, PHP, JavaScript, TypeScript, Vue; Familiar with C, C#, Python |
| Developer Tools: | Docker, Github Actions, Heroku Cloud, Postman, Git |
| Frameworks & Libraries: | Laravel, CakePHP, Angular, React, Express, Node |
| Databases: | MySQL, SQL, PostgreSQL |

WORK EXPERIENCE

Katapult

Jr. Full-Stack Developer

Calgary, AB

Dec. 2022 - Present

- Designed and implemented a document watermarking feature within the platform's document signature service using **Laravel**, to enhance client document authenticity and security.
- Worked within an **Agile** Scrum environment to enhance and maintain an investment management platform, developing new features built with **Laravel**, **CakePHP**, **JavaScript**, and **Vue**.
- Handled **2–3** client database migration requests per week using **MySQL**, ensuring seamless deployment for both upcoming releases and remaining available to address live production issues, ensuring minimal downtime and rapid resolution.
- Collaborated with QA team to resolve **15%** of outstanding backlogged 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

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 on **macOS**, **Windows**, and **Linux** for faculty members and students, ensuring optimal performance and security.

SimplyCast

Jr. Developer

Halifax, NS

Jan. 2021 - Apr. 2021

- Enhanced the platform's stability by implementing bug fixes with **JavaScript** and **PHP**, ensuring reliability and reducing backlog by **5%**.
- Redesigned existing code base to increase the velocity of **Agile** sprints, reducing the time to deliver new features by **5%**.

MDA Space Ltd.

Software Developer

Halifax, NS

May 2020 - Aug. 2020

- 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.
- Supported the development and maintenance of the Submarine system application in **Angular**, reducing the bug defects backlog by **3%**.

Government of Canada (Public Service Commission)

Jr. Programmer Analyst

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