

Emilio Roche

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Work Experience

Junior Full-Stack Developer

Calgary, AB

KATIPULT

Dec. 2022 – Present

- Developed a Watermark service to enhance Katapult Ksign, strengthening document authenticity on the platform, using PHP.
- Proficient in building new product features and resolving bugs as part of a dedicated scrum team, using PHP and JavaScript to enhance platform functionality and reliability.
- Actively monitored and promptly resolved live production issues for clients, maintaining optimal platform performance.
- Developed and executed automated test cases using Cypress, improving application reliability and reducing regression testing time on the platform.

Junior Developer

Halifax, NS

SIMPLYCAST

Jan. 2021 – Apr 2021

- Enhanced stability of the SimplyCast platform by implementing critical bug fixes in JavaScript and PHP.
- Refactored complex logic in codebase to create a more scalable, efficient system, through the use of JavaScript and PHP.
- Executed integration tests to validate functionality within the SimplyCast application's development environment.

Software Developer

Halifax, NS

MACDONALD DETTWILER & ASSOCIATES (MDA)

May 2020 – Aug. 2020

- Used Typescript to implement a sub-section in a management window in the TRITON application.
- Supported development and maintained defect resolution for the TRITON application using TypeScript.
- Operated within a Scrum methodology to prioritize tasks and requirements to complete user stories during sprints.

Junior Programmer Analyst

Halifax, NS

PUBLIC SERVICE COMMISSION OF THE GOVERNMENT OF CANADA

Sept. 2019 – Dec. 2019

- Developed automated test scripts using Selenium to check validity of applications in development.
- Scaled automated test scripts to increase time and memory efficiency.
- Wrote clear technical documentation for a new application, Katalon Studio, that was introduced to the ASD Application Division.

Skills

Languages:

Proficient in Java, PHP, JavaScript; Familiar with C, C#, TypeScript, Python

Tools:

Docker, Jenkins, Github Actions, Heroku Cloud, Postman, Git, Node, AWS, Bitbucket

Frameworks & Libraries:

Angular, React, Express, Laravel

Databases:

MySQL, PostgreSQL

Education

Dalhousie University

Halifax, NS, Canada

BACHELORS OF COMPUTER SCIENCE - SPECIALIZATION: COMMUNICATIONS AND CYBER SECURITY

Sept. 2017 – May 2022

Projects

Classification of Encrypted Network Traffic (CSCI 6709)

P4, Python

SDN RESEARCH PROJECT: USING A DECISION TREE PORTED TO A SOFTWARE DEFINED SWITCH, ENCRYPTED NETWORK TRAFFIC WAS CLASSIFIED INTO 7 MAJOR TYPES USING ONLY 4 RELATED PACKET FEATURES.

Sports Stats Web App

Express, React, Heroku, Github Actions, PostgreSQL

A WEB REACT APPLICATION I CREATED TO DISPLAY FOOTBALL STATS FROM MY 6 FAVOURITE LEAGUES AROUND THE WORLD.

Awards

2019-2022 **Dean's List**, Achieve a GPA of at least 3.70 in the academic year.

Dalhousie University