Emilio Roche

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Work Experience

Junior Full-Stack Developer   Calgary, AB
Katipult   Dec.2022 - Present

- Collaborated in the development of a Watermark service designed to complement the Ksign service enhancing document authenticity, using PHP.
- Identified and resolved Frontend (Blade, SCSS, Javascript) and Backend (PHP) bug issues in platform to ensure optimal functionality and performance.
- Designed and configured automated test result notification system in Javascript to identify failing tests run on daily Bitbucket pipeline.
- Played a key role in successfully transitioning the Company's new testing framework resulting in enhanced test efficiency & scalability.

Junior Developer   Halifax, NS
SimplyCast   Jan. 2021 - Apr 2021

- Improved Simply Cast application system stability by implementing bug fixes using Javascript and PHP.
- Used JavaScript and PHP to refactor inefficient existing software.
- Ran integration tests for functionality in the dev environment of the Simply Cast application.

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.
- Applied Angular framework to assist in the development and defect maintenance of the TRITON application.
- 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.

Education

Dalhousie University   Halifax, NS, Canada
Bachelors of Computer Science - Specialization: Communications and Cyber Security   Sep.2017 - May.2022

Skills

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

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 (max fiat, max biat, max flowiat, and max idle). https://emilioroche.github.io/assets/docs/ResearchProject.pdf

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

Empowered Futures App *Express.js, Docker, MongoDB, Google Cloud*

Awards

Dalhousie University
Dean's List, Achieve a GPA of at least 3.70 in the academic year.   2019/2020/2021/2022