EMILIO ROCHE

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WORK EXPERIENCE

Katipult
Calgary, AB
Jr. Full-Stack Developer
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**.
- Handled client database migration requests using **MySQL** for upcoming releases and live platform updates, ensuring accurate implementation and seamless deployment.
- Diagnosed and resolved front-end and back-end bugs within the platform, ensuring optimal functionality, performance, and user experience.
- Developed and configured an automated test result notification system to identify failing tests, integrated with the daily **CI/CD** Bitbucket pipeline for streamlined issue detection and resolution.

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

- Enhanced the stability of the SimplyCast application by implementing bug fixes with **JavaScript** and **PHP**, ensuring smoother performance and reliability.
- Refactored existing software for improved efficiency, optimizing performance on the platform.
- Ran integration tests for functionality in the dev environment of the SimplyCast application.

MDA Space Ltd.
Halifax, NS
Software Developer
May 2020 - Aug. 2020

- Implement a new feature in a Submarine system application using **TypeScript**, enhancing functionality and user experience.
- Supported the development and maintenance of the Submarine system application in **Angular**, addressing and resolving bug defects as they arose.
- Worked within an **Agile** Scrum methodology to prioritize tasks and requirements, ensuring timely completion of user stories during sprints.

Government of Canada (Public Service Commission)
Halifax, NS
Jr. Programmer Analyst
Sept. 2019 - Dec. 2019

- Created and scaled automated test scripts using **Selenium** to validate the functionality and reliability of applications in development.
- Wrote clear technical documentation for a new application, Katalon Studio, that was introduced to the Application Division.

SKILLS

Languages:	**Proficient** in Java, PHP, JavaScript, TypeScript; **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

EDUCATION

Dalhousie University
Halifax, NS
Bachelors of Computer Science - Specialization: Communications and Cyber Security
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