

Mathieu Lemay

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in mathieu-lemay-dev

🔗 mathieu-lemay

Relevant Experience

Rogue Consulting, Software Development Consultant

Aug. 2023 to present

- Offering services such as designing and developing features, optimization, TDD coaching, CI/CD optimization.
- Helped a customer switch from Bitbucket + Bitbucket Pipelines to GitHub + CircleCI.
- Helped a customer move a legacy API to Docker + Kubernetes.
- Helped a customer improve their monitoring in Datadog by adding correlation in the logs and streamlining the logging across multiple applications.
- Technologies used: Python, pytest, CircleCI, Bitbucket Pipelines, Datadog, AWS, Docker, Kubernetes, Helm

BoostSecurity.io, Senior Software Developer

May 2022 to Aug. 2023

- Designed and implemented multiple microservices for the highly distributed BoostSecurity.io platform.
- Implemented a managed system to provision and run security scanners in our customers' different CI systems (Azure Devops, Bitbucket Pipelines, GitHub Actions, GitLab CI/CD).
- Enforced good code practices to ensure the maintainability and testability of our software.
- Acted as squad leader for one of the two backend development teams.
- Mentored a junior developer in the team.
- Technologies used: Python, FastAPI, pytest, MySQL, Kafka, AWS, Kubernetes, Helm, Terraform, Auth0

Broadsign, Staff Software Developer

Dec. 2017 to May 2022

- Optimized the computation of a key cache by rewriting it in Rust, reducing the computation time by around 95% the number of cores needed for the database server by about 75%.
- Developed an algorithm to rebalance hundreds of advertising campaigns over thousands of screens in order to optimize their number of views.
- Moved two major projects from manually maintained virtual machines to a Kubernetes cluster.
- Improved continuous delivery of the software, reducing lead times for changes from multiple days to a few hours.
- Helped the team adopt better coding practices and test driven development.
- Technologies used: Python, Rust, Flask, PostgreSQL, Docker, AWS, Kubernetes, Helm, Bitbucket Pipelines

PBSC Urban Solutions, Senior Java Developer

Nov. 2016 to Dec. 2017

- Development of the backend software to manage bike sharing systems and setting up continuous integration.
- Helped migrating a legacy JSP application to a REST API.
- Maintained Jenkins CI pipelines for multiple projects.
- Technologies used: Java, JUnit, Spring, Maven, Docker, MySQL, Elasticsearch and Jenkins

Previous Experience

GEE Media, Software Developer

June 2011 to Nov. 2016

Biblio Mondo, Software Developer

Aug. 2009 to June 2011

Education

Cégep du Vieux Montréal, Computer Science Technology

2006 to 2009

Projects

pipeline-runner [🔗](#): A python tool to run Bitbucket Pipelines locally. Developed by reverse-engineering Bitbucket Pipelines inner workings.

f1-telemetry-rs [🔗](#): A rust Library/GUI to parse telemetry data from the F1 games and display it.

json-struct [🔗](#): A rust tool to show all the paths/values in a json/yaml document to help with grep.

Technologies

Languages: Python, Bash, Rust, SQL, Java, C#

Frameworks / Platforms: FastAPI, Flask, SQLAlchemy, Celery, Faust, PostgreSQL, MySQL

Tools: Git, Docker, AWS, Kubernetes, Datadog, Kafka, Terraform, Linux, CI/CD, TDD

Languages

French: Native

English: Fluent