

Mathieu Lemay

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Relevant Experience

- May 2024 – present **Consultant at Rona**, Rogue Consulting
- Tech Lead for the new microservices team
 - Built the foundations for the microservices
 - Migrated functionality of legacy systems to new microservices
 - Ensured the quality and consistency of the code for multiple teams
 - Technologies used: Go, Python, GCP, PostgreSQL, Kubernetes, Helm
- Aug 2023 – present **Software Development Consultant**, Rogue Consulting
- 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
- May 2022 – Aug 2023 **Senior Software Developer**, BoostSecurity.io
- 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
- Dec 2017 – May 2022 **Staff Software Developer**, Broadsign
- 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
- Nov 2016 – Dec 2017 **Senior Java Developer**, PBSC Urban Solutions
- 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

June 2011 – Nov 2016 **Software Developer**, GEE Media
Aug 2009 – June 2011 **Software Developer**, Biblio Mondo

Education

2006 – 2009 **Cégep du Vieux Montréal**, in Computer Science Technology

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, Go, Rust, Java, C#, Bash, SQL

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

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

Languages

French: Native

English: Fluent