Mathieu Lemay

 Montréal, QC   ✉ contact@mathieulemay.net   📞 (514) 433-5179   🔗 mathieulemay.net

 mathieu-lemay-dev   mathieu-lemay

Relevant Experience

May 2024 – present   **Consultant at Rona**, RogueConsulting.dev
- 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**, RogueConsulting.dev
- 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 ot 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