

Lisa Melo

✉ melo.lisamb@gmail.com 🖱 lisamelo.dev 📍 Montreal, QC 🗣 lisa-m1

Profile

I'm a software developer with experience in JavaScript, Ruby, PostgreSQL, GraphQL, Docker, React, Go and more. I'm the co-creator of QMantis, an open-source observability tool for GraphQL APIs, built with Node.js, TimeScaleDB and OpenTelemetry.

Professional Experience

Co-creator, Software Engineer, QMantis 2022

QMantis (qmantis.co 🌐) is an open-source observability tool that uses metrics and traces data to debug and analyze the performance of GraphQL APIs.

- Architected the telemetry data pipeline: generating (OpenTelemetry), exporting (OTLP Collector, Prometheus), storing (Promscale/TimescaleDB), and visualizing (Grafana) metrics and traces data.
- Led the development of QMantis Express: an NPM package that abstracts the instrumentation of the GraphQL API backend and exports metrics and traces data using OpenTelemetry SDKs.
- Created and designed Grafana dashboards for visualizing and analyzing metrics.
- Prototyped the implementation of a GraphQL server.
- Automated the deployment of the QMantis infrastructure using Docker.
- Authored the QMantis documentation and case study. (qmantis.co 🌐)

Full Stack Developer 2020 – 2022

Some projects developed during this time:

- Rello: Trello-like collaboration app (Node.js, Express, MongoDB, React, Redux).
- RequestBucket: RequestBin-clone for receiving and debugging webhooks (Node.js, MongoDB).
- Todo App: SPA todo tracker (Node.js, Express, JavaScript, Handlebars).
- Airline Routes - React app allowing users to filter routes by airline and airport (React).

Registered Dietitian, Various Employers 2016 – 2021

Skills

Backend

Node.js, Express, Go, Ruby, PostgreSQL, MongoDB, RESTful API, GraphQL

Frontend

JavaScript (ES6) / TypeScript, React, Redux, HTML, Handlebars

Tools

Git/GitHub, Docker, OpenTelemetry, Grafana

Cloud

Digital Ocean, Heroku

Education

Software Engineering, Launch School 2021

Full-stack software engineering curriculum emphasizing mastery of programming fundamentals

B.Sc., Nutrition, University of Montreal 2012 – 2015