Lisa Melo

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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.
- Built and configured Grafana dashboards for visualizing and analyzing metrics data.
- 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 ⧉)
- Collaborated with a remote team of 4 engineers across 3 time zones (daily standups and pair programming).

Full Stack Developer, *Personal Projects*   2020 – 2022

- 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, Ruby, Go, PostgreSQL, MongoDB, RESTful APIs, GraphQL

Frontend
JavaScript (ES6) / TypeScript, React, Redux, HTML, CSS, 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