

# Lisa Melo

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## Profile

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

## Professional Experience

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**Co-creator, Software Engineer, QMantis** 2022

QMantis ([qmantis.co](https://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](https://qmantis.co) 🌐)

**Full Stack Developer** 2020 – 2021

Some projects developed during this time:

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

**Registered Dietitian, Various Employers** 2016 – 2021

## Skills

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### 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

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**Software Engineering, Launch School** 2021

Full-stack software engineering curriculum emphasizing mastery of programming fundamentals

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