Michael del Rio

mikevdelrio@gmail.com   416-427-3115   m-delrio.github.io

Profile

I'm a bilingual software engineer based in the Toronto area with experience working with a variety of AWS services and Typescript. Most recently I've improved the stability and security of microservices supporting the platform at Tehama.

Experience

Tehama, *Services Team – Senior Software Developer*   **2020 - 2022**

- Architected a serverless multi-tenant microservice to replace a long running single-tenant service and reduce infrastructure costs
- Led initiative to auto-install new applications on Linux and Windows virtual desktops with scripting
- Implemented a virtual desktop file sharing feature to allow users to access files from cloud based storage seamlessly and securely
- Tools included Typescript/Node.js, Jest, React, GraphQL, Cypress, Electron, Docker, MySQL, AWS infrastructure

Bento, *Co-founder – Software Engineer*   **2020**

- Co-created Bento, an open source, serverless video transcoding pipeline that is deployed to Amazon Web Services
- Implemented a massively parallel approach to transcoding video files using Node.js, AWS, Lambda, and Amazon DynamoDB
- Reduced multi-hour transcoding jobs down to minutes by leveraging the scale and concurrency of function-as-a-service architecture
- Co-authored Bento case study: https://bento-video.github.io

Self-Employed, *Full-Stack Web Developer*   **2018 - 2019**

- Developed open source software with technologies such as Ruby, Node.js, Rails, SQL, React, Redux Docker, Javascript, jQuery, HTML and CSS

Education

- Launch School, Core Curriculum, Web Development/Software Engineering (Remote)
- BSc. in Physiotherapy, Bilingual program (University of Ottawa)