

# Esteban Romo

437-344-0898 | [esteban.romo.esparza@gmail.com](mailto:esteban.romo.esparza@gmail.com) | [linkedin.com/in/jake](https://linkedin.com/in/jake) | [github.com/es-romo](https://github.com/es-romo)

## WORK EXPERIENCE

### Full Stack Software Engineer

April 2021 – Nov 2023

*CANImmunize*

*Remote*

- **VaxRecordNS:** Allows the residents of Nova Scotia to access their vaccination records.
  - \* Collaborated closely with multiple vendors as part of a wider effort to centralize the province's health data.
  - \* Lead the development of a React web application that interfaces with a governmental OIDC identity provider and a FHIR data repository storing the vaccination records of 1M+ patients.
  - \* Developed a React Native mobile application equivalent to the web application.
  - \* Designed scalable serverless services that allow users to manage their dependents and generate official downloadable vaccinations records using AWS Lambda, Twilio, and Redis.
  - \* Conducted code reviews of peers and mentored junior developers.
  - \* Created dashboards and alerts to monitor the health of the applications using AWS Canary, CloudWatch and Slack integrations.
  - \* Set up CI/CD pipelines to build, and deploy the applications with CircleCI.
  - \* Managed the project's infrastructure using Terraform.
- **Shield:** Digital tool to help employers collect, manage and verify proof of vaccination of their employees.
- Participated in the interview, hiring, and onboarding of co-op students.
  - \* This is a test
- **ClinicFlow:** End-to-end software solution for institutions to run paperless mass immunization campaigns.
  - \* Developed performant web and mobile applications with React, React Native, PostgreSQL, AWS EBS, and AWS RDS that handle the forecasting, booking, logging, and proof of vaccination of millions of Canadians.
  - \* Rapidly expended the vaccination forecasting system to support new COVID-19 guidelines.
  - \* Headed deployments involving data major migrations, and infrastructure changes.
  - \* Participated in the interview, hiring, and onboarding of co-op students.
  - \* Solved critical incidents as the on-call engineer.
- **Canadian Vaccine Catalogue (CVC):** Comprehensive, standards-based, source-of-truth for vaccine terminology and vaccine product information in Canada.
  - \* Solely responsible for maintaining a catalogue with 100K+ entries made available as an npm package, web app, and HL7 FHIR API running on AWS EC2.
  - \* Released new versions of the CVC with data provided by Health Canada on a biweekly basis using Jenkins.

## EDUCATION

### Sheridan College

Dec 2020

*Ontario College Diploma, Computer Systems Technician - Software Engineering*

*Oakville, ON*

- High Honours recipient
- GPA 3.93/4.00

## PROJECTS

**@es-romo/relay** | *Typescript, WebSockets, Lerna, Jest, GitHub Actions*

Nov 2023 – Present

- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

## TECHNICAL SKILLS

**Languages:** Typescript, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** React, React Native, Express, Node.js, Jest

**Developer Tools:** Git, CircleCI, GitHub Actions, Jenkins, Docker, AWS, XCode, Lerna

**infrastructure:** Elastic Beanstalk, RDS, ElastiCache, EC2, Terraform

**Libraries and Others:** Typeorm, Ant Design, Redis, Docker