

Esteban Romo

437-344-0898 | esteban.romo.esparza@gmail.com | linkedin.com/in/jake | 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.
 - * 150K+ employees accross public and private sectors at peak utilization.
 - * Participated in the interview, hiring, and onboarding of co-op students.
 - * Implemented suggestions from external cybersecurity audits to become SOC 2 complaint.
- **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 1M+ Canadians.
 - * Rapidly expended the vaccination forecasting system to support new COVID-19 guidelines.
 - * Headed deployments involving major data migrations and infrastructure changes.
 - * 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+ records 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

- Relay server and client that allows for P2P-like traffic using WebSockets for turn-based browser games.

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