

# Esteban Romo

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## EXPERIENCE

### Full Stack Software Engineer

Apr 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 wide effort to centralize the province's health data.
  - \* Developed web and mobile apps using React, React Native, and Typescript that interface with a governmental OIDC provider and a FHIR data repository that stores the vaccination records of 1M+ patients.
  - \* Designed scalable serverless services that allow users to manage their dependents and generate official their vaccination records using AWS Lambda, Twilio, and Redis.
  - \* Created dashboards and alerts to monitor the health of the service with 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.
  - \* Developed a SaaS product with Typescript, React, and PostgreSQL that handled PHI of up to 150K+ employees of major governmental and private organizations.
  - \* Conducted interviews, assisted in hiring, and onboarded co-op students.
  - \* Conducted code reviews of peers and mentored junior developers.
  - \* Implemented suggestions from external cybersecurity audits to become SOC 2 compliant.
- **ClinicFlow:** End-to-end software solution for institutions to run paperless mass immunization campaigns.
  - \* Developed performant web and mobile applications with React, React Native, and PostgreSQL that handle the forecasting, booking, logging, and proof of vaccination of 1M+ Canadians.
  - \* Expanded the vaccination forecasting system to support new COVID-19 guidelines.
  - \* Headed deployments that involved major data migrations and infrastructure changes.
  - \* Diagnosed, mitigated and solved critical incidents as the on-call engineer.

### Freelance Lead Developer

Feb 2020 – May 2020

*ppeburnrate.com*

*Oakville, Ontario*

- Recruited and led a team of 5 developers in building a responsive web app that helps organizations manage their PPE consumption using React, Express, DigitalOcean and Microsoft SQL Server.

## EDUCATION

### Sheridan College

Sep 2019 – Dec 2020

*Ontario College Diploma in Software Engineering*

*Oakville, Ontario*

- Cumulative GPA: 3.93/4.00; High Honours.

### Centro de Enseñanza Técnica Industrial

Aug 2015 – Jun 2019

*Technologist in Software Development*

*Guadalajara, Mexico*

## PROJECTS

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

Nov 2023 – Present

- Creator of a WebSocket-based relay server and client for listen server and host architectures, made available as individual npm packages.

## SKILLS

**Languages:** Typescript, SQL, Postgres, JavaScript, HTML, CSS.

**Frameworks:** React, React Native, Express, Fastify, Jest.

**Tools:** Git, CircleCI, GitHub Actions, Jenkins, XCode, Lerna.

**Infrastructure:** AWS, Elastic Beanstalk, RDS, ElastiCache, EC2, Terraform.

**Libraries and Others:** Typeorm, Node.js, Redis, Docker.

## LANGUAGES

**English:** C2

**Spanish:** Native