

# Esteban Romo

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## WORK EXPERIENCE

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### Full Stack Software Engineer

April 2021 – Nov 2023

*CANImmunize Inc.*

*Remote*

- **VaxRecordNS:** Allows the residents of Nova Scotia to access their and their dependent's official vaccination records. Developed as part of a multi-vendor collaborative effort to centralize the provinces' health data. Built with: Typescript, React, React Native, AWS Lambda, and Jenkins
- **ClinicFlow:** End-to-end software solution for institutions to run paperless mass immunization campaigns. Licensed by the Nova Scotia Health Authority to run their COVID-19 campaign among other institutions. ClinicFlow handles millions of patients' data. Built with: Typescript, React, PostgreSQL, AWS Elastic Beanstalk, AWS RDS, Redis, Jenkins, Lerna, and Typeorm.
- **Canadian Vaccine Catalogue:** Comprehensive, standards-based, source-of-truth for vaccine terminology and vaccine product information in Canada. Built with: Typescript, AWS EC2, Jenkins, and Lerna
- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL, and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

### Artificial Intelligence Research Assistant

May 2019 – July 2019

*Southwestern University*

*Georgetown, TX*

- Explored methods to generate video game dungeons based off of *The Legend of Zelda*
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

## EDUCATION

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### Sheridan College

Oakville, ON

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

*Aug. 2019 – Dec 2020*

- High Honours recipient
- GPA 3.93/4.00

## PROJECTS

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### @es-romo/relay | *Typescript, WebSockets, Lerna, 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

### Brainf\*\*k compiler | *Zig, WebAssembly, Javascript*

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

### royalur.io | *Python, Flask, React, PostgreSQL, Docker*

June 2020 – Present

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

## TECHNICAL SKILLS

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

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

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

**Libraries:** Typeorm, Ant Design

**Concepts:** FHIR, OIDC

**Others:** Elastic Beanstalk, RDS, ElastiCache, Redis, Docker, EC2, Terraform