


# Raul Romero Cano

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🇨🇦 Canadian Permanent Resident

## Professional Experience

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- Jan 2022 – present  
Remote
- Co-Creator, Software Engineer, Artemis** 
- Designed, prototyped, and implemented Artemis, an open-source, serverless framework for scalable API load testing. Artemis is an easily deployable, cloud-based load testing framework that provides robust data retention and a clean, customizable dashboard to visualize near real-time results.
  - Designed and built AWS infrastructure to generate load of up to 20,000 virtual users.
  - Built a CLI application using AWS CDK and SDK libraries to automate the deployment of Artemis' infrastructure and to allow users to create, configure, and launch their tests.
  - Engineered a solution for starting tests across load testing containers simultaneously.
  - Developed an admin dashboard to make Artemis' CLI functionality available through a graphical user interface using ReactJS and Express.
  - Built and published Artemis as an NPM package.
  - Created custom Docker images for the load generation, data aggregation, and data visualization containers within Artemis' architecture.
  - Collaborated with a remote team of engineers, including daily standups and pair programming.
  - Authored and presented a technical case study describing the load testing problem domain and justified Artemis' technical decisions.
- Jun 2020 – Jan 2022  
St. John's, Newfoundland
- Software Engineer, Self-employed**
- Tortoise Bin - A tool to inspect and debug webhook requests. (Nginx, PM2, PostgreSQL, DigitalOcean Droplet).
  - Trellis - A Trello-like kanban board for task tracking (MongoDB, Express, Node, React, Redux).
  - Shopping Cart - A database-backed inventory management app (React, Redux, MongoDB, Node).
  - Contact Manager - A contact manager web application using the MVC design pattern (HTML, CSS, JavaScript).
- Jan 2019 – Jun 2020  
St. John's, Newfoundland
- Field Engineer, Schlumberger**
- Responsible for effective equipment preparation, job organization, and unimpaired offshore service delivery on a bi-monthly basis for \$200k - \$500k projects.
  - Worked on a wide array of international projects, regularly interfacing with other engineering teams and clients.

## Skills

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### Languages and Frameworks

JavaScript, Node, Express, React, Ruby, Handlebars, Sinatra, Golang

### Cloud

AWS (ECS, Fargate, ECR, Timestream, S3, SDK, CDK, Cloudmap, CloudFormation), Heroku, DigitalOcean

### Other Technologies

PostgreSQL, MongoDB, HTTP, OOP, REST APIs, Telegraf, Grafana, Git/GitHub, Docker, API load testing, HTML/CSS, Linux

## Education

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- 2020 – 2022
- Software Engineering, Captstone Program, Launch School** 
- Multi-year, mastery-based software engineering curriculum, with progression gated by written exams and live coding interviews to develop problem solving and technical skills.  
Read more at [launchschool.com/employers](https://launchschool.com/employers)
- 2014 – 2017
- B.S. in Petroleum Engineering, Texas A&M University**
- 2012 – 2014
- Engineering, Texas A&M International University**