Raul Romero Cano

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⚑ Canadian Permanent Resident

Professional Experience

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. - Automated the provisioning and teardown of AWS cloud infrastructure via AWS's Cloud Development Kit. - Engineered a solution for starting tests across load testing containers simultaneously. - 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. - 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 in a wide array of international projects, regularly interfacing with other engineering teams and clients.

Skills

Languages and Frameworks	**Cloud**	**Other Technologies**
JavaScript, Node, Express, React, Ruby, Sinatra, Golang	AWS (ECS, Fargate, ECR, Timestream, S3, SDK, CDK, Cloudmap, Cloudformation), Heroku, Digital Ocean	PostgreSQL, MongoDB, HTTP, OOP, REST APIs, Telegraf, Grafana Git/GitHub, Docker, API Load testing, HTML/CSS, Linux

Education

2020 — 2022	**Software Engineering,** *Launchschool* ⧉ 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
2014 — 2017	**B.S. in Petroleum Engineering,** *Texas A&M University*
2012 — 2014	**Engineering,** *Texas A&M International University*