



# Daniel Alejandro Dominguez Diaz

- **Nationality:** Argentina ● **Address:** Argentina
- **Email address:** danielfromarg@gmail.com

## Profile

---

**Experienced Senior Full-stack Engineer transitioning to a Quality Assurance Engineer role.**

With a robust background in full-stack development, I bring extensive experience in building and testing web and mobile applications. I possess in-depth knowledge of modern frontend frameworks and a strong command of testing tools, enabling me to ensure high-quality software delivery.

### Key Expertise:

- Proficient in multiple frontend frameworks: **#React, #Angular, #Vue**.
- Skilled in various testing tools for end-to-end, unit testing, and component testing: **#Cypress, #Selenium, #Jest, #Karma, #Nightwatch**.
- Extensive experience with backend development using **#Node.js, #Express**.
- Deep knowledge of **#Ruby** and **#RubyOnRails** with over 10 years of experience, including advanced testing practices using **#RSpec, #Cucumber, #Selenium**.
- Expertise in API development and testing, including documentation generation using **#Swagger** and comprehensive testing with **#Postman** and custom test scripts in **#RSpec** and **#Jest**.

My ability to write clean, maintainable code and my commitment to quality make me well-suited for a QA engineering role, where I can leverage my development background to identify issues early and ensure robust, reliable software.

## Work Experience

---

07/2021 – 07/2024  
remote, US

### **Sr. software engineer** **2u.com**

- **Company Overview:** Worked at 2U, a publicly traded leader in education technology, recognized for its expansive and innovative online learning platforms.
- **Role & Responsibilities:** Joined as a Ruby Developer and quickly adapted to various roles within scrambled teams, expanding my skill set to include Python, DevOps, and Node.js with Express.js across multiple projects.

### Key Projects

#### **Reporting Tool for Zoom and Canvas Integration:**

- **Objective:** Developed a reporting tool that connected with Zoom and Canvas to generate detailed statistics on student and teacher participation in meetings.
- **Technologies:** **Ruby on Rails, AWS, Kubernetes, Helm, Docker.**
- **Responsibilities:** Deployed and managed the tool on AWS, configuring the infrastructure with Kubernetes and Helm, ensuring seamless performance and scalability.

#### **Student Grading API:**

- **Objective:** Developed QA automation scripts for grading, notes, assessments, and other student-facing functionalities within a React frontend application.
- **Technologies:** Go, Cypress, Nightwatch, Buildkite, Docker, Kubernetes.
- **Responsibilities:** Implemented and automated testing processes using Go, ensuring the reliability and performance of the application. Developed custom testing tools and integrated them with CI/CD pipelines using Buildkite. Deployed testing environments on AWS with Docker and Kubernetes, focusing on smooth operation across student, teacher, and faculty interfaces.

#### **CSV Reporting Tool:**

- **Objective:** Deployed a small tool to generate and upload CSV reports to AWS Lambda, triggered by specific events, with the output stored in a 2U Google



## Work Experience

---

Drive shared folder for stakeholders.

- **Technologies:** **Node.js**, **AWS Lambda**, **Buildkite**.
- **Responsibilities:** Automated the reporting process and ensured timely delivery of data to stakeholders.

•

### Automation for React Frontend:

- **Objective:** Developed QA automation scripts for grading and notes functionality within a React frontend application.
- **Technologies:** **Nightwatch**, **Buildkite**, **Docker**.
- **Responsibilities:** Automated testing processes to enhance the reliability and performance of the frontend application.

### Ruby on Rails API for Content Summarization:

- **Objective:** Created an API that summarized reading materials provided by professors to students.
- **Technologies:** **Ruby on Rails**, **OpenAI**, **Redis**, **RSpec**, **Docker**, **AWS**, **Kubernetes**, **Helm**.
- **Responsibilities:** Developed and deployed the API, ensuring efficient content delivery and integration with modern AI tools.

### Python API for TEDx Translation Services:

- **Objective:** Developed an API for the TEDx organization to automate subtitle translation across multiple languages.
- **Technologies:** **Python**, **Django**, **Google Translate API**, **Redis**.
- **Responsibilities:** Designed and implemented the API, facilitating accurate and efficient subtitle translations.

11/2020 – 07/2021

remote, US

### Full stack developer hp.com

- **Project:** Worked on the backend development of HP's online shop, focusing on content management systems (CMS) to manage and update the web page.
- **Technologies:** Utilized **Ruby on Rails** for backend development, with robust testing using **RSpec**. Managed user permissions with **CanCanCan** and handled database operations with **PostgreSQL**.
- **Tools & Frameworks:** Integrated **Rails Admin** for streamlined content management and contributed to the overall functionality and reliability of the HP web platform.

04/2020 – 11/2020

Remote, US

### Front-end web developer Admios.com

- **Project:** Led frontend development for **Anaplan.com**, focusing on creating pixel-perfect, responsive user interfaces across web, mobile devices, and tablets.
- **Technologies:** Utilized **React** for web development and **React Native** for mobile applications, ensuring seamless performance on both **Android** and **iOS** platforms.
- **Testing & Development:** Implemented rigorous testing with **Jest** and **Karma**, developed UI components with **Storybook**, and deployed mobile apps using **Expo**.
- **Responsiveness:** Ensured optimal user experience and interface consistency across various devices, including smartphones and tablets, for both **Android** and **iOS** users.

03/2019 – 03/2020

Buenos Aires, Argentina

### Full Stack Engineer digitas.com

- **Project:** Led the development of a web application product that generated KPIs and facilitated marketing segmentation, enabling targeted advertisements for major clients like **P&G**.
- **Technologies:** Built the application using **Ruby on Rails** and **Angular 6**, with microservices architecture supported by various **AWS services**.
- **Responsibilities:** Managed backend processes with **PostgreSQL**, ensured



## Work Experience

11/2020 – 03/2019  
Buenos Aires, Argentina

### Sr. Ruby Engineer Globallogic.com

- **Project:** Worked on the **Everfi.com** account, focusing on backend development and system architecture.
- **Technologies:** Leveraged **Ruby on Rails** for backend development, with comprehensive testing using **RSpec**. Utilized **Swagger** for API documentation and **Postman** for API testing.
- **Infrastructure:** Integrated various AWS services, **Apache Kafka** for messaging, and **PostgreSQL** along with **Elasticsearch** for database management.
- **DevOps:** Employed **Docker** for containerization and contributed to an Agile development environment.

07/2018 – 11/2018  
Tucuman, Argentina

### Full stack developer Globant.com

- **Project:** Contributed to the development of an internal reporting tool for the **Salesforce.com** account.
- **Technologies:** Utilized **React** for the frontend and **Express.js** for the backend.
- **Role:** Focused on building responsive user interfaces and integrating backend services to support efficient reporting.

07/2014 – 07/2018  
remote

### SSR Fullstack Developer billSync.com

- **Project:** Developed a comprehensive web application for an accounting startup, utilizing **Angular.js** and **Ruby on Rails**.
- **Integration:** Successfully integrated and consumed API services from leading accounting platforms, including **QuickBooks**, **Xero**, and **Clover**.
- **Contribution:** Played a key role in building a robust and scalable application, streamlining accounting processes and enhancing user experience.
- **Outcome:** Delivered a high-performance solution that significantly improved the startup's ability to manage and automate financial operations.

02/2012 – 06/2014  
San Miguel de Tucumán,  
Argentina

### JR Fullstack Developer insignia4u.com

- Developed and maintained responsive web applications using modern technologies such as HTML, CSS, and JavaScript, jQuery, Ruby on Rails, Angular 1.
- Collaborated with cross-functional teams to design and implement new features for existing software solutions.
- Utilized agile methodologies to prioritize and manage tasks effectively, ensuring timely delivery of projects.
- Conducted thorough testing and debugging to identify and resolve technical issues, ensuring high quality and reliable code.



## Skills

### – LANGUAGES

English  
**PROFESSIONAL**

Spanish  
**NATIVE**

### – COMPUTER SKILLS

Ruby  
**PROFESSIONAL**

JavaScript  
**PROFESSIONAL**

QA Automation  
**PROFESSIONAL**

Fullstack  
**PROFESSIONAL**



## Skills

---

### - COMPUTER SKILLS

DevOps

**PROFESSIONAL**



## Volunteering

---

08/2018 – 08/2020

remote, US

### **Contributor**

#### **lbry.tech**

Created Ruby API Wrapper for the lbry.io blockchain project

<https://lbry.tech/resources/api-wrappers> (dan1d) as well contributed to the front end, react, react-native apps.