

# Leonardo Mendes Primo Brito

---

+1 604 968 9846  
Vancouver, Canada

lbrito@gmail.com

[github.com/lbrito1](https://github.com/lbrito1)  
[lbrito.ca/blog](https://lbrito.ca/blog)  
[/in/leonardo-mendes-brito](https://in/leonardo-mendes-brito)

## Technical Skills

**Expert:** Ruby, Ruby on Rails, RSpec, PostgreSQL, MySQL, Redis, Docker, AWS, Git, CI/CD, TDD

**Skilled:** Python, Javascript, Vue.js, HTML, CSS, MongoDB, Elasticsearch, C

## Work Experience

### Senior Software Engineer

#### FRDM

Remote (USA)

December 2023 – ongoing

Successfully migrated the application to a new cloud provider, achieving approximately 95% reduction in infrastructure costs. Implemented and championed engineering best practices, including CI/CD with automated tests, code coverage and static security analysis checks; centralized logging; uptime and resource usage monitoring and daily backups. Seamlessly transitioned the database from an older MySQL version to a current PostgreSQL platform, ensuring zero downtime and data integrity. Automated manual processes using LLMs, reducing contractor costs. Developed and integrated engineering quality-of-life tools, such as one-step development environment setup scripts and ephemeral PR review servers.

### Software Development Engineer II

#### Amazon

Vancouver, BC – Canada

November 2021 – December 2023

Worked in multiple AWS teams within CloudFormation and Builder Tools. I worked mostly in an internal Ruby on Rails tool used by the company's corporate workers. I delivered performance optimizations (30% page load time improvements), UX and accessibility improvements (working with designers to fulfill WCAG standards) and overhauled the internal authorization system used by our tool.

### Senior Software Engineer

#### Sensor Tower

San Francisco, CA – United States

June 2019 – September 2021

Worked in a team of 20 engineers on back-end services with millions of daily requests. I owned an important part of a large distributed B2C product with a Ruby, Rails, Redis and MongoDB tech stack. Among my most interesting accomplishments, I created a new crawling technique that improved the product's data coverage in 50x; improved latency in a user-facing service in 300%; and reduced ad duplication by 7x in one of our advertisement collections.

### Full-stack Developer

#### Guava Software

Recife, PE – Brazil

January 2016 – June 2019

Worked on several projects ranging from microservices-based social network metrics to monolithic Rails webapps, in teams ranging from 2 to 10 people. I engaged in most web development roles: devops, back-end and front-end. Some of the improvements I've made include speeding up a large test suite in 43%; halving page sizes by optimizing asset distribution; and upgrading a large e-commerce website from Rails 4 to 5 with no downtime.

### Full-stack Developer

#### SkyHub

Recife, PE – Brazil

October 2014 – October 2015

Worked on a Rails application that integrated all the largest Brazilian e-commerce marketplaces into a single management interface. I developed commercial reports using MongoDB aggregations and designed the landing page with an Ajax dashboard.

### Software Engineering Intern

#### PayPal

Scottsdale, AZ – United States

June – December 2012

Developed a fully functional merchant reporting Android application together with the back-end software using Java, JDBC and a RESTful interface. Also developed reports & dashboards using Business Intelligence software IBM Cognos.

## Education

### Computer Science, MSc

#### Federal University of Pernambuco

Recife, PE – Brazil

2013 - 2016

Thesis: "A risk analysis of the Brazilian stock market using value-at-risk and GARCH models"

### Computer Science, BSc

#### Federal University of Pernambuco

Recife, PE – Brazil

2009 - 2013

### Computer Science, BSc

#### Arizona State University

Tempe, AZ - United States

2012

3.38 GPA; Dean's List of Outstanding Scholars

## Language Skills

**English (fluent)** 109 score, TOEFL/IBT

**Portuguese (native)**