

Rafael Rêgo

SOFTWARE ENGINEER

Dr. Nicolau de Sousa Queirós 406, São Paulo, SP, 04105-001, Brazil

☎ (+55) 11-94305-3209 | ✉ crafards@gmail.com | 💻 rafaelrds | 🌐 rafael-da-silva

Education

Federal University of Campina Grande (UFCG)

Campina Grande, PB, Brazil

B.S. IN COMPUTER SCIENCE

Jun. 2011 - May. 2017

- The Computer Science department consistently ranked among the top in Brazil, reflecting its commitment to excellence.
- Selected for the Programa de Educação Tutorial (PET), a Brazilian Ministry of Education-sponsored honors program fostering academic excellence and leadership.
- Completed a one-year academic exchange at the **University of Twente**, Netherlands, focusing on Network and Security, enhancing cross-cultural collaboration skills.

Massachusetts Institute of Technology (MIT)

Remote

INNOVATION AND LEADERSHIP BOOTCAMP

Jun. 2021 - Aug. 2021

- Completed a 10-week online Innovation and Leadership Bootcamp focused on entrepreneurial creativity, leadership, and problem-solving.
- Engaged in MIT's framework for innovation and entrepreneurship, covering areas such as identifying innovation opportunities, developing and delivering solutions, and selecting business models to deliver value to stakeholders.
- Collaborated with a global team to build the foundations of a new venture, applying learned concepts in a practical, immersive environment.

Experience

Varsity Tutors

St Louis, Missouri (remote)

SENIOR SOFTWARE ENGINEER

Jun. 2023 - present

- Championed the design and development of an in-house serverless platform **Go, DynamoDB**, eliminating reliance on costly third-party APIs and saving \$750K annually.
- Navigated a complex microservices environment (**Go, Ruby on Rails, MySQL, Postgres**) to rapidly deliver high-impact features and maintain operational continuity.
- Drove initiatives that secured \$10M in new contracts, expanding business reach across multiple US school districts.

Airtime

Palo Alto, California (remote)

SENIOR BACKEND ENGINEER

Jun. 2022 - May. 2023

- Led the maintenance and expansion of a 20+ **Node.js** microservices ecosystem supporting millions of users, ensuring high availability and robust CI/CD pipelines.
- Architected and managed a high-throughput **Go** notifications system handling thousands of real-time outbound requests per second.
- Collaborated with Product Managers and Designers to deliver interactive bots, text moderation, and user experience improvements for a multi-million-user social platform.

Encortex

Boston, Massachusetts (remote)

SENIOR BACKEND ENGINEER

Jun. 2020 - May. 2022

- Engineered a high-volume distributed system in **Python** and **Couchbase**, processing billions of monthly records and millions of daily outbound requests.
- Implemented a cost-effective online marketing platform, reducing annual software licensing by \$1M, and gained rapid expertise in **mailing protocols** and distributed architectures.

Loggi

São Paulo, Brazil

SENIOR SOFTWARE ENGINEER

Jan. 2019 - Jun. 2020

- Founded and scaled the Middle Mile team from 0 to 8 engineers, delivering mission-critical applications (alarms, monitors) and optimizing interstate routes for substantial revenue growth.
- Overhauled the local development environment for 200+ engineers, leading major refactoring efforts and enabling a seamless transition to **Python 3**, significantly boosting productivity.

Esportudo

São Paulo, Brazil

LEAD SOFTWARE ENGINEER

Apr. 2018 - Dec. 2018

- Oversaw company-wide technology initiatives, managing AWS infrastructure to reduce costs and leading a remote team of 5 engineers building features in **Angular.js, React, Ionic, and Node.js**.
- Owned the end-to-end tech hiring process, establishing best practices and driving rapid team growth.

Lenovo

Raleigh, North Carolina (remote)

SOFTWARE ENGINEER

Apr. 2017 - Mar. 2018

- Developed multiple BFFs, agnostic APIs, and front-end solutions (**TypeScript, Node.js, Angular 5**) to streamline ManagelQ—an **open-source** platform by Red Hat—improving UX and maintainability.