Rodrigo Lopes Rincon

Software Engineer living in Brazil

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*Always attentive to code quality and good
practices. Lover of agile development and a good
chocolate milk.*

Academic Background

2009–2015 — **Bachelor's Degree**, Software Engineering by University of Brasília (UnB).

2010–2013 — **Technical Degree**, Computer Graphics course by the School of Art, Game and Animation (SAGA).

Professional Experiences

September 2022–Today — **Backend Developer**, GoDaddy.

I'm working in an American company in a diverse team spread around the world and all communication is in English. I work close and do daily meetings with members in different timezones. I build new features and doing the maintenance in the internal marketplace system, specially integration with external marketplaces (like Amazon and Ebay) and ensuring that any updates to any of the marketplaces are reflected in the others.

Tasks performed:

- Development new features;
- Design and implement new modules;
- Fix bugs and investigate issues;
- To join in periodic on calls with the support team;
- Documentation of important migrations, integrations and PII policies;
- Comunication with external APIs, tools and frontend;
- Improving and writing new automated tests using RSpec;
- Act in a multidisciplinary team spread around the world with all the communication in English;
- Frameworks and technologies used:
  - Ruby on Rails;
  - RSpec;
  - AWS;
  - Typescript;
  - Microsservices with AWS Lambda;
  - Scrum;
  - PostgreSQL, Redis and DynamoDB;
  - Docker;
  - Git;
  - Swagger, Confluence and Github Pages;
  - Honeybadger and Mixpanel;
  - Rubocop;

February 2022– September 2022 **Backend Developer**, Sólides.

I worked building new solutions and maintaining the full job vacancies system. I developed new features in the new API version and migrated the old version for the new one. The most part of the time I was maintaining the code, working together the support team.

Tasks performed:

- Fix and investigate bugs with support team;
- Development features with Ruby on Rails;
- Migrate features from current version for the new one;
- Write documentation about the worked components;
- Comunication between Ruby backend API with React frontend;
- Frameworks and technologies used:
  - Ruby on Rails;
  - React;
  - Kanban;
  - PostgreSQL;
  - Docker;
  - Git;
  - Swagger, Wiki and Confluence;
  - Rubocop;

July 2020–March 2022 **FullStack Developer**, Epy.

I built a service and delivery system for restaurants, allowing manage orders and payments. Also was built a PWA mobile system for users see the menu, order the food and pay the bill by the cellphone and order and track a delivery order. I worked in all development phases, since the conception of new feature, design and development. I did a continuously monitoring and optimizing of the system and I did integration with many external systems. I migrated the Rails server to a completely new microservice architecture. I was also responsible for mentoring the trainees and helping them in their development.

Tasks performed:

- Component and feature design and development;
- Development of PWA mobile system with React;
- Development of real time communication between all parts (mobile, server and desktop);
- Trainees monitoring and mentoring;
- Do workshops and speech for the trainees;
- Database queries optimizing and code refactoring to make it faster;
- Autentication and integration with external APIs, payment solutions included;
- Modeling e implementation of new microservice architecture using AWS lambda;
- Migrate from the Ruby on Rails monolithic to microservice architecture;
- Frameworks and technologies used:
  - Ruby on Rails;
  - Javascript and Typescript;
  - React;
  - PWA;
  - Web sockets;
  - AWS;
  - Microservices;
  - Scrum;
  - PostgreSQL;
  - Docker;
  - Git;
  - Sentry;
  - Rubocop;

April 2019–
November
2019

FullStack Developer, Ownee.

I developed and improved the manage building construction system. I built new features, optimized requests and database queries, communicated with external APIs and created new components in backend and frontend. A complete refactoring was done, changing the core of system, the achitecture and its business rules, where I actively worked on modeling the new version. I acted as test analyst, being responsible to write and update them at each change in the requirements. I acted as tech leader next to the CTO and guided the interns in your activities.

Tasks performed:

○ Modeling and implementing a new architecture from system changes;

○ Component and feature design and development;

○ Trainees mentoring and supervision;

○ Database queries optimization;

○ System refactor to make it faster and scalable;

○ Investigation and fixing bug reported by the users;

○ Communication between frontend and backend and with external APIs;

○ Automated tests and maintainning during the business rules changes;

○ Frameworks and technologies used:
  - Ruby on Rails and RSpec;
  - Scrum;
  - Javascript;
  - Vuejs;
  - PostgreSQL;
  - Docker;
  - Git;
  - New Relic;
  - Wiki and AWS;

December 2016–April 2019	**FullStack developer**, AIS Digital.

Development and maintenance Ruby on Rails systems for large clients, such as Bank of Brazil and Altran. Participation in international projects, since the direct communication with the client, surveying its needs and providing their resolution. Worked in dynamic and multidisciplinary teams, developing the frontend alongside designers and building APIs to frontend and mobile apps. I did speech and workshops for the other company's developers about automated tests.

Tasks performed:

- System development from the beginning and maintenance of legacy systems in Ruby on Rails;
- Speeches and workshops about automated tests;
- Act in multidisciplinary teams in Squad format;
- API development for communication with frontend and mobile apps;
- Implementation of CI and CD solutions, code analysis and breaks monitoring;
- Direct communication with the client: answering calls, being allocated inside the clients and making survey of needs and bugs with the national and international clients;
- Documentation of the projects, API and processes;
- Frameworks and technologies used:
  - Ruby on Rails;
  - NodeJS and Javascript;
  - Scrum and Kanban;
  - Backbone JS;
  - Vuejs;
  - RSpec, Capistrano and Jest;
  - MySQL and PostgreSQL;
  - Docker;
  - Git and SVN;
  - Bitbucket Pipeline;
  - New Relic and Sentry;
  - SonarQube and Rubocop;
  - Swagger, Wiki and Confluence;
  - AWS and Jelastic;

April 2016–
December
2016

FullStack developer, Preditiva.

I worked in the startup system about monitoring of air temperature and humidity. I fixed bugs and developed new features. I implanted solutions for continuous delivery and built many landing pages for idea validations to the marketing team. Built a middleware to facilitate communication in real time with the hardwares installed in the client and allow communication with thousands of devices simultaneously.

Tasks performed:
- Development new features and maintenance of the code;
- Fixes and improvements in the MVP;
- Solutions for continuous delivery;
- Real-time comunication with the hardwares installed in the clients using Nodejs;
- Development of landing pages to validate ideas with HTML5 and CSS3;
- Integration of landing pages with Google Analytics and Google Ads;
- Frameworks and technologies used:
  - Ruby on Rails;
  - Javascript;
  - Scrum;
  - Bootstrap;
  - Nodejs;
  - SemaphoreCI;
  - MySQL;
  - Git;
  - Google Analytics and Google Ads;

July 2015–
December
2015

Co-founder, Coremaster.

Co-founder of a small-scale company focused on the development of institutional websites and the structuring and security of computer networks. I left the company due to disagreements about the business vision with the founder.

Tasks performed:
- Website development in HTML5 and CSS3;
- Planning of the company's digital marketing strategies;
- Management of the company's cash flow;
- Frameworks and technologies used:
  - HTML5 and CSS3;
  - Javascript;
  - Jquery;
  - Bootstrap;
  - Wordpress;

September 2013–July 2014	**Internship**, Bank of Brazil.
	I did the Maintenance and evolution of Java web systems used by agencies outside the country. I Refactored part of the system, splitting it in modules, cleaned the code, fix bugs and tested funcionalities. I started the development of a Java RESTFull API for access data by subsidiary companies.
	Tasks performed:
	○ Development of new funcionalities;
	○ Refactoring the system;
	○ Bad smells code cleanup;
	○ PostgreSQL database maintenance;
	○ Started the development of a Java RESTFull API for access to data from the national headquarters database;
	○ Frameworks and technologies used:
	  - Java;
	  - Tomcat;
	  - JSF;
	  - framework FreeMarker;
	  - PostgreSQL;
	  - SVN;

Presentations

○ I did a workshop about algorithms and how to think solutions as a programming developer at Latin American Open Source Software Instalation Fair (FLISoL 2023), the biggest event for spreading open source in latin America, and at Campus Party 2023, focused on elementary school children;

○ I did a workshop about the first steps with Javascript at Campus Party 2022, teaching basic concepts about programming using Javascript for teenagers and adults;

○ I did some workshops and speeches in Epy company for the trainees during 2021 and 2022, teaching about good pratices, clean code, API integrations and specific components of the system;

○ I did a workshop and speech about automated tests with RSpec in AIS Digital company in 2018, talking about what and how to test, the types of tests and how to write a test with RSpec in a Ruby on Rails project;

○ I taught about basic concepts of programming for high school students through robotics in the Edubot project at University of Brasília in 2016, using an educational kit made from Arduino;

○ I presented at the Science and Technology Meeting in University of Brasília (ECT 2011) a project of food re-education software for Android system with a prototype demonstration;

○ I did a speech and had an article accepted at the Science and Technology Meeting in University of Brasília (ECT 2011) regarding a project of continued training and appropriate technologies for digital inclusion of disabled and elderly people;

Projects

○ I participated in the Labkids organization during 2022 and 2023, teaching basic concepts about programming for children through robotics, using an educational kit made from Arduino;

○ I participated in the Edubot project at University of Brasília in 2016, teaching basic concepts

about programming to high school students through robotics, using an educational kit made from Arduino;

- I participated in the development of the Adobe Reader plugin for digital signatures validation in PAdES standards of ICP-Brasil at University of Brasília from 2015 to 2016, using OpenSSL and C++ language;
- I participated in the project "Solidarity Carpool" at the University of Brasília from 2013 to 2014, as Java and PHP programmer and responsible for the modeling and implementation of the database;
- I participated in a development project in University of Brasília in 2012, in the database and Java development area;
- I participated in the research project Casa Brasil of Adapte (Association for Supporting People with Disabilities) by University of Brasília in 2011, in the area of digital inclusion of disabled and elderly people;

Courses

- Linux Basic - University of Brasília – UnB (2009)
- HTML for Engineering - University of Brasília – UnB (2010)
- Adobe Photoshop CS4 - SAGA (2010)
- Adobe Illustrator CS5 - SAGA (2010)
- Adobe Dreamweaver CS5 - SAGA (2011)
- Network Foundations - CIEE (2008), Bradesco Foundation (2012)
- Information Security - Bradesco Foundation (2012)
- Analysis Structured of Systems - Bradesco Foundation (2012)
- Data Modeling - Bradesco Foundation (2012)
- Software Development Process - Bradesco Foundation (2012)
- Requirements Engineering - Bradesco Foundation (2012)
- Vue.js Essentials - Udemy (2017)
- Machine Learning and Data Science with Python - Udemy (2017)
- Architect SaaS Applications - Unique Challenges Solutions - Udemy (2018)
- Introduction to Data Science Using Python - Udemy (2018)
- Learn Data Analysis using Pandas and Python - Udemy (2018)
- Data Science: Data Visualization with Python - Udemy (2018)
- Database design: Starting with NoSQL - Alura (2020)
- Continuous Integration: More quality and less risk to development - Alura (2020)
- Amazon Lightsail: simplifying the cloud - Alura (2020)
- Amazon EC2: High disponibility and scalability in an application - Alura (2020)
- Amazon CloudWatch: Complete visibility of cloud applications and services - Alura (2020)
- Amazon S3: Handle and store objects in the cloud - Alura (2021)
- Amazon Cloud Front and Route53: Distribute your files and create your own domain - Alura (2021)
- Amazon VPC: Providing a private cloud - Alura (2021)
- Amazon ECS: Manager Docker in AWS cloud - Alura (2021)
- Amazon Elastic Beanstalk - ALura (2021)
- SQL vs NoSQL - Motivations for use of each technology - Udemy (2021)
- Amazon Cognito: authentication as a service - Alura (2021)
- Agile fundamentals, steps to agile transformation - Alura (2022)

- Kanban, essential fundamentals - Alura (2022)
- Scalable web systems - FullCycle (2023)

Languages

Portuguese	Native
English	Fluent

Technical Expertises

Specialties

Languages	Java, Javascript, Typescript, Ruby
Web Technologies	HTML, JQuery, API, Ruby on Rails, React, AWS
SQL Databases	MySQL, PostgreSQL, Redis, MongoDB
Methodologies and Practices	Scrum, Kanban, XP
Development Supporting Tools	Git, UML, Docker
Testing Tools	Junit, Rspec, Cucumber, Jasmine, Jest
Knowledge Areas: development	Software Architecture, Framework Development, Design Patterns, API's creation and integration
Operational Systems	Debian, Windows

I Know Well

Languages	Python, C, C++
Web Technologies	CSS, Nodejs, Backbonejs, Apache, Passenger, Vuejs
Development Supporting Tools	Rubocop, Sentry, Pipeline, Swagger
Knowledge Areas: development	Data Science, Machine Learning, Microsservices, PWA, Real time processing, Digital Certificates and Signatures, Symmetric and Asymmetric Cryptography
Knowledge Areas: process	Measurement and estimation of costs and deadlines (including function point analysis)

Basic Knowledge

Methodologies and Practices	RUP, PMBOK
Web Technologies	PHP, Java web, Angular
Development Supporting Tools	SVN, Capistrano, SonarQube, Vagrant, OpenSSL