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 2013–July 2014

Internship, Bank of Brazil.

Maintenance and evolution of Java web systems used by agencies outside the country. Refactoring part of the system, where I modularized the system, cleaned the code, fix bugs and tested funcionalities. Was started the development of a Java RESTFull API for access data by subsidiary companies.

Tasks performed:

- Refactoring and evolution of Java web systems;
  - System modularization;
  - Bad smells code cleanup;
  - Development of new funcionalities;
- PostgreSQL database maintenance;
- Started the development of a Java RESTFull API for access to data from the national headquarters database;
- Frameworks and technologies used:
  - JSF;
  - framework FreeMarker;
  - PostgreSQL;
  - SVN;
- Contact: Carlos +55 6198477-2967.

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:
	  - Jquery;
	  - Bootstrap;
	  - Wordpress;
	○ Contact: Rafael Cançado +55 6198102-8023.

April 2016–
December
2016
	Ruby on Rails e Nodejs developer, Preditiva.
	Web developer in the startup, fixing bugs and developing 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:
	○ New features in the web system;
	○ 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;
	  - Scrum;
	  - JQuery;
	  - Bootstrap;
	  - Nodejs;
	  - SemaphoreCI;
	  - MySQL;
	  - Git;
	  - Google Analytics and Google Ads;
	○ Contact: Luiz +55 6199203-3355.

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

Developing and maintaining 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 lectured and did a workshop for the company's developers about automated tests.

Tasks performed:

- System development from the beginning and maintenance of legacy systems in Ruby on Rails;
- Lecture and do workshop about automated tests;
- Estimate and project the effort and the impact of new features in the projects;
- Implementation of Scrum and Kanban in the teams in which I participate;
- 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;
- Project documentation, API and processes;
- Frameworks and technologies used:
  - Ruby on Rails;
  - Scrum and Kanban;
  - JQuery;
  - Backbone JS;
  - npm and Vuejs;
  - RSpec, Capistrano and Jest;
  - MySQL and PostgreSQL;
  - Docker;
  - Git and SVN;
  - Pipeline;
  - New Relic and Sentry;
  - SonarQube and Rubocop;
  - Swagger, Wiki and Confluence;
  - AWS and Jelastic;

April 2019– November 2019	**FullStack Developer**, Ownee. Developing and improving the web application (Ruby on Rails and Vuejs). Building new features, optimizing requests and database queries, communicating with external APIs and creating 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 and the old version ○ Development of components and features in Ruby on Rails and Vuejs; ○ Trainees mentoring and supervision; ○ Database queries optimization; ○ System refactor to make it faster and scalable; ○ Investigation and bug fixes reported by the users; ○ Communication between frontend and backend and with external APIs; ○ Maintenance and creation of tests; ○ Frameworks and technologies used: - Ruby on Rails and RSpec; - Scrum; - Javascript, Yarn and Vuejs; - PostgreSQL; - Docker; - Git; - New Relic; - Wiki and AWS;

July 2020–March 2022	**FullStack Developer**, Epy.
	Developing solutions with Ruby on Rails, React and Javascript in AWS. I worked in all development phases, since the conception of new feature, design and development. Monitoring and optimizing the system constantly. 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 startup trainees and helping them in their development.

Tasks performed:
- Components and functionalities development in Ruby on Rails e React;
- Development of PWA system on mobile and real time communication between all parts (mobile, server and desktop);
- Trainee monitoring and mentoring;
- Database queries optimizing;
- Refactoring to make it faster;
- Autentication and integration with external APIs;
- Modeling e implementation of new microsservice architecture using AWS lambdas;
- Frameworks and technologies used:
  - Ruby on Rails;
  - Javascript and Typescript;
  - Yarn and React;
  - PWA;
  - Web sockets;
  - AWS;
  - Microsservices;
  - Scrum;
  - PostgreSQL;
  - Docker;
  - Git;
  - Sentry;

March 2022–January 2023	**Backend Developer**, Sólides.
	Building new solutions and in maintenance in the company's Ruby on Rails system. I worked developing new features in the new API version and migrated some parts of system for the new version. The most part of the time I was maintaining the code, working together with support team.

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

▬▬▬ Online Courses

- 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: Visualização de Dados com 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)

▬▬▬ In-person 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)

▬▬▬ Languages

Portuguese	Native
English	Advanced

▬▬▬ Technical Expertises

Specialties

Languages	Java, Javascript, Ruby

Web Technologies	HTML, JQuery, API, Ruby on Rails, Vuejs, React, AWS
SQL Databases	MySQL, PostgreSQL, Oracle, 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, Puma
Development Supporting Tools	Rubocop, Sentry, Pipeline
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, AngularJS
Development Supporting Tools	SVN, Capistrano, SonarQube, Vagrant, Swagger, OpenSSL
Knowledge Areas	Requirements elicitation, Improvement, modeling and software process deployment, robotics

Presentations and Projects

- 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 gave 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;
- 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;
- I participated in a development project in University of Brasília in 2012, in the database and Java development area;
- 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 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 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 as a listener in these congresses and technology events: Campus Party (2014, 2015 and 2016), Campus Party Brasília (2017 and 2022), Campus Party Goiás (2022) and Latinoware (2014).