Ricardo Godoy de Oliveira

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Software engineer interested in new technologies and modern, automated development pipelines. Ten years of professional experience, mainly working on ERP systems. Active member of online communities for enthusiast programmers and beginners.

Professional experience

Maxiprod Informática Industrial   **Porto Alegre, Brazil**
Senior Full Stack Engineer   *March 2018 – Today*

Senior engineer working on the company's only product, an ERP system with a strong set of features for factories of any kind. It is built with C# (ASP.NET MVC), deployed to AWS, and uses Oracle databases.

- Full stack, C#, ASP.NET MVC, JavaScript, jQuery
- Oracle DB, Entity Framework, Redis (cache and custom locks)
- NUnit, Selenium
- Assist and teach interns
- Designed the architecture to support system tests via Selenium Web Driver (using the Page Object pattern), and now managing interns who are writing the test cases scripts
- Always pushing the team to reduce technical debt and increase overall performance of the system
- Maintainer of the CI server (TeamCity), Github organization and internal tools/scripts (Python, Powershell, PL/SQL)
- Responsible for the AWS infrastructure and system updates (including manual database migrations), as well as clients' on-premises installations

HardFun Studios   **Porto Alegre**
Full Stack Web Developer   *August 2017 – February 2018 (~7m)*

Joined the company to help finish a BI system for Instituto Crescer, successfully taking advantage of the opportunity to consolidate my skills in web development.

- Full stack, Ruby on Rails, Heroku
- PostgreSQL, ActiveRecord, Redis, Resque
- jQuery, React, Vue, Chrome Extensions
- Agile/Scrum, Pivotal Tracker
- Assisted with the launch of market campaigns for the Escolas Conectadas project (Fundação Telefônica/Vivo), transforming Photoshop designs into web pages (Bootstrap/jQuery for rapid prototyping and delivery)
- Optimized load/response times for mobile devices on slow networks (using tools like Lighthouse, load tests and network traffic analysis)
- Implemented A/B tests and analytics tracking (Google, Facebook and other 3rd party players)
- Also worked on my Bachelor's final project, a tool to avoid duplicate content on online courses/forums (its concepts would later be integrated into a company product)

Brassoft **Porto Alegre**
Software Developer *June 2011 – August 2017 (6y+)*

Worked on the "Next" desktop ERP system.

- Delphi, Firebird SQL, Report Builder, Windows
- Though I worked on every aspect of the application, I was the main responsible for the electronic invoicing (NF-e and NFS-e, integrated with municipal and federal services) and billing systems (exchanging information with banks through CNAB 400 and 240 file formats)
- Client installations and updates
- Personally answered client support calls about developed features (and others if needed)
- Wrote the backup scripts (batch and bash) used in clients' installations
- Planned and carried data migrations from legacy systems used by new clients (through custom scripts and software)
- Organized/authored documentation about our development environment, tools and client setups

Brassoft **Porto Alegre**
Software Development Intern *April 2009 – May 2011 (2y)*

Initially responsible for superficial parts of the "Next" ERP system, like SQL queries adjustments and – mainly – reports made with Report Builder. In a short time, I was already working on more critical sections of the project, as well as helping with client support calls. Authored the deploy routine (a suite of batch scripts) currently in use, which was a manual operation until then.

Education

Federal University of Rio Grande do Sul **Porto Alegre, Brazil**
BSc. in Computer Science *2011 – 2018*

Technical School José César de Mesquita **Porto Alegre, Brazil**
Certificate in Informatics with emphasis on Software Development *2008 – 2009*

Knowledge and skills

- **Programming languages:**
  Proficient: C#, JavaScript (ES6/Node.js), Ruby, C
  Advanced: Python, Batch/Bash/Powershell
  Basic: Java, C++, among several others

- **Software/Frameworks:**
  .Net, Entity Framework, Ruby on Rails, Heroku, Windows, Linux, ViM, Git, SVN, Travis-CI, TeamCity, Relational databases (DML & DDL), Redis.

- **Languages:**
  Portuguese (native), English (fluent).

Interests and other activities

- Part of a small team of moderators in an online community for programmers, the *Programming Discussions*, today with more than 15K members. Our goal is to help beginners, work on small projects of common interest, using either interesting and/or new technologies (like JavaScript/Node.js, Python, Rust, Go).
  More info: http://progdisc.club.

- Very interested in code quality metrics, continuous integration and development pipeline automation.

Personal projects

- **ForCA** *(Ruby on Rails)*
  Web app to evaluate professors of UFRGS Informatics Institute by the undergrads. It has a legacy version built with web2py (Python), and I'm currently working on making a new version in Rails to ease maintenance and deployment. *Available at github.com/rgoliveira/forca*

- **AwesomeBot** *(ES6/Node.js)*
  A bot for the chat service Discord. Currently being used by the *Programming Discussions* community for some simple tasks and monitoring server activity, but it's being replaced by another one. *Available at github.com/progdisc/AwesomeBot*

References

- Up to 3 references available on request