

RENAN RANELLI

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PROFESSIONAL OBJECTIVE

I'm looking for a position as a software developer in a company with an open and informal environment. This company must aim for technical excellence, continuous improvement and no fear of error.

I love to study computing and I am also a highly technical person. Hence, I'm looking for a position that enables one to face highly complex technical challenges.

EDUCATION

University of Campinas, Unicamp

January 2014 - December 2014

Specialization: Software Engineering

GPA higher than 85%

University of Campinas, Unicamp

January 2012 - Incomplete

Master's degree: Chemical Systems Engineering

While an undergraduate, I've concluded all the classes necessary by the master's program. I have not completed the program due to my career change to software engineering.

GPA: A⁻

University of Campinas, Unicamp

February 2008 - December 2012

Bachelor's degree: Chemical Engineering, with honors

GPA higher than 80%

PROFESSIONAL EXPERIENCE

Locaweb

June 2014 - Today

Software Engineer

São Paulo, Brazil

- At Locaweb, I work at the 'hosting and platform' (PaaS) team. I am currently leading the project of the new hosting platform which is a re-implementation of the whole system that provisions and handles the life cycle of all the hosting plans. The aim of this project is to replace the current legacy system. Locaweb is latin america's leader in the hosting market.
- The main programming language used is Ruby. The environment is highly heterogeneous, with a wide range of technologies, both old and new, such as Windows, Linux, C#, Ruby, PHP, Perl and ASP pages. I'm responsible for the core provisioning backend, which is comprised of complex dependency resolution logic and highly concurrent background job execution. Although the main part of the work is re-implementing the legacy system, from time to time we are faced with critical bugs in production. I also work diagnosing and fixing them.
- In my team, we are happy to work with a mix of Agile methodologies such as XP, Scrum and Kanban. We apply *TDD*, *pair programming*, continuous integration, *code-review/pull-requests* and various other practices. Of course, we use Git.

Chemtech Software & Engineering Services

January 2012 - April 2014

System's Engineer

São Paulo, Brazil

- After being third place in the "Chemtech's National Engineering Marathon" I was invited to work with Chemtech's engineering team.

- I have worked with *process automation* and *Industrial IT*, developing and maintaining mission critical systems for the process Industry. There, most of the work I done was in the Microsoft stack (Windows Server, Sql Server, C#, F#, ASP.Net MVC).
- For one and a half year, I was responsible for the maintenance of the control system of one of the largest automated refrigerated warehouses in Brazil. There, I had to work with various levels of abstraction, from binary automation machinery protocols to complex logistical rules and ensuring inventory optimization.
- Also, leveraging my engineering degree, I responsible for the creation of a project automation group, dedicated to automate many tasks of the industrial engineering branch of the company. I needed to cooperate with various engineering disciplines, collect requirements and implement many small applications that gave them a significant productivity boost. Those applications ranged from automatic revision of drawings in AutoCAD to synchronizing engineering information in various kinds of documents.

TECHNICAL KNOWLEDGE

Most of my professional experience is in the Ruby/Linux and .Net/Windows ecosystems. I have deep understanding of both object oriented and functional programming.

I'm an Emacs power-user, and I have contributed to many open-source projects in Emacs-Lisp.

I have also completed many courses in the EDx and Coursera platforms, all 100% in English. Some of the courses I took were:

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|---|--------------------------------------|
| · Programming Languages | Coursera/University Of Washington |
| · Software as a Service | EDx/UC Berkley |
| · Artificial Intelligence | EDx/UC Berkley |
| · Functional Programming (Haskell) | EDx/Université catholique de Louvain |
| · Functional Programming Principles in Scala | Coursera/EP Fédérale de Lausanne |
| · Introduction to Databases | Coursera/Stanford |
| · Computer Networks | Coursera/University Of Washington |
| · Web Application Architectures | Coursera/University of New Mexico |

LANGUAGES

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|----------------|--------------|
| English | Fluent |
| French | Intermediary |

COMPLEMENTARY ACADEMIC EXPERIENCE

Undergraduate Research

March 2009 - November 2012

I worked with algorithms for advanced process control. I was an integrant of a research group with a high interest in the practical application of such algorithms in physical chemical systems. During the period of this work, I had much contact with computational mathematics. I developed many applications and libraries in the Fortran95, Matlab, Scilab and Tcl programming languages. I had scholarships during the whole period of this work.

Integrated Graduate Program (PIF) Unicamp

January 2012 - December 2012

The Integrated Graduate Program allows the student with outstanding performance to take graduate classes during the senior year. I took all the necessary classes of the Master's degree program in Chemical systems engineering. Between those classes, I'd like to emphasize the following:

| | |
|--|----------|
| · Automation of chemical systems | 36 hours |
| · Artificial intelligence applied to process control | 30 hours |
| · Computational methods applied to engineering | 60 hours |
| · Linear control (electrical engineering's master degree course) | 60 hours |