Vinicius Gravina da Rocha

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Currently in: Calgary, Canada

Work Experience

Present **2015**	**Senior Software Engineer, Pegged Software, United States**
	Improving matches in the recruitment process by 1) Rolling out software solutions to ingest, process and reliably deliver data using OCaml, Python and Bash 2) Deploying infrastructure using Amazon AWS services.
Present **2013**	**Founder & IT Consultant, Boechat & Gravina Smart Solutions, Brasil**
	1) Business model for a small company and development of a web-application for customer relationship, accounting and inventory control in Django/Javascript 2) Platform to forecast Eurostoxx-50 and European Energy Futures in Clojure 3) Development of Optical Character Recognition (OCR) Systems for car plates, Driver's License and Vehicle Registration Certificate 4) Real-time application for sports performance in Delphi 5) Development of a profitable algorithmic trader for the cryptocurrency market in Clojure.
2014-2015	**Consultant and IT Engineer at Cost House, Brasil**
	1) Cost understanding and cost engineering for mid-size to large companies by implementing *Activity Based Costing* (ABC) and *Activity Based Budgeting* (ABB) models 2) Specifications for the development of the ABB module to equip Valoptia Software Suite 3) Development of a web application for enhancing data visualization in d3js/JavaScript, CSS and HTML.
2011-2014	**Team Leader in the Decaptcher Project at Neoway, Brasil**
	1) Coordination of a small R&D team to develop automatic CAPTCHA recognition systems for web crawlers using Java, Clojure, image processing, artificial intelligence and statistical analysis 2) Indicators and standardization of procedures to deploy Decaptchers in production.
2008-2009	**Internship at J. P. Morgan, Brasil, as Stock Analyst Assistant**
	1) Valuation, forecast and reports for the companies in the Telecom, Media and Technology (TMT) sector 2) Marketing presentations and products for customers.
2007	**Internship at Dassault Systemes, France, as Software Engineer**
	Specification, development and implementation (in C++) of a smart assembly algorithm for CATIA (worldwide CAD leader).

Computer Skills

Programming paradigms	Functional (Clojure, EmacsLisp, JavaScript) Object Oriented (C++, Java, Python, Delphi) Scripting (BASH, Excel/VBA) Memory Managed (C) Mathematical Modeling (AMPL) Numerical Computing (MatLab/Simulink, Octave) Markup Language (HTML/XML, LaTeX) Declarative (SQL, RegExp)
Softwares	Django, d3js, Debian, Git, SVN, Mongo, {Postgre, My}SQL, Apache, Tomcat, Office Suites

Languages

Portuguese:	Mothertongue
English:	Proficient, IELTS 8/9, exam held on April 2015
French:	Proficient, 4 years lived in France. ETS-TFI 915/990, held on October 2006

Interests and Activities

I enjoy learning new things and getting to know different people. The domains I'm most interested are computer science, economics, investment, finances, psychology, engineering and science fiction. Also, I like to surf, trail run, sail and mountain bike.