

Vítor Baptista

Web Developer

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*"Be the change you want to see in the world."
Mahatma Gandhi*

Experience

- 2012–Current **Developer, Open Knowledge Foundation.**
I work on CKAN (<http://ckan.org>), a free software Python web application for Open Data Portals. It has been used by many governments, including US (<http://data.gov>), UK (<http://data.gov.uk>), and Brazil (<http://dados.gov.br>). Before that, I was part of OpenSpending (<http://openspending.org>) team. It's a tool to help working with monetary data, providing some visualizations and an API.
- 2011–2012 **Developer, ThoughtWorks, Porto Alegre, RS.**
I've worked as a Rails software consultant for a couple projects during my time at ThoughtWorks. The first one was with a team of 7 people, helping a startup in San Francisco be able to meet a deadline. The tech stack was Rails + JavaScript and solr for full-text search. It ran for 1.5 months. The last one was with an online vehicle auctions' site. It's one of the largest Rails codebases worldwide, with almost 300k lines of code, and in production since 2007. The team had 50+ people, distributed between the US, Brazil, Canada and India. I was part of the 6-people team that started developing it from Brazil.
- 2007–2010 **Researcher, Digital Video Applications Lab, João Pessoa, PB.**
I've worked on the development of OpenGinga, a free implementation of the brazilian digital tv middleware, Ginga. It was done in C++ and Java to run on a GNU/Linux box.
- 2010 **Intern, Linux Foundation.**
I was selected as a student in Google's Summer of Code 2010 for the Linux Foundation. I've worked for 3 months with the leader of the OpenPrinting project, Till Kampeter, developing in Python a compressor for PostScript Description Files (printer drivers). I was able to get 90% of compression ratio. It's included by default in all the main GNU/Linux distributions, like Ubuntu, Debian and Fedora.

Education

- 2013–2015 (expected) **Master's in Computer Science, Federal University of Paraíba, Department of Informatics, João Pessoa, PB.**
Building a tool to increase the visibility into the law-making process by applying DVCSs to laws
- 2006–2010 **Bachelor in Computer Science, Federal University of Paraíba, Department of Informatics, João Pessoa, PB.**
Bachelor thesis entitled "A tool for the verification of compatibility between software licenses."

Projects

- Orçamento ao seu alcance This is a visualization of the Brazilian federal budget. We show how much of it went to each public body and, more importantly, how much was actually spent. We focus on underspending. For example, a person could go and check the Ministry of Education budget in 2012, and she might be surprised to learn that more than 16% of its budget wasn't spent. Hopefully, this would raise questions, and she'll try to find out with her representatives what's happening. (<http://orcamento.inesc.org.br>)
- Escola Que Queremos In Brazil, schools are ranked based on IDEB, the Basic Education's Development Index. It defines what's a good school, and it's used to plan where money will be invested. The index fails to show many nuances on what makes a good school, as it considers only approval rate and scores in Math and Portuguese. So we built a tool that allows you to build your own score, picking whatever matters to you, and compare other schools related to it. It was built in a 2-day hackathon. I did the design and front-end programming. (<http://escolaquequeremos.org>)
- Reputação S/A It's a mobile visualization and reference tool of the consumers complaints against Brazilian companies using data collected by PROCON (consumer protection organization) and made for the first contest organized by the Brazilian Ministry of Justice together the W3C office in Brazil. With a total project time of one week, from inception to production. We won the first place. (<http://reputacao-sa.org>)
- Who won 2012's elections in Brazil? I've worked with Estadão's data visualization team during the week before municipal/state elections in Brazil. We designed and built an interactive visualization that shows the growth and decrease of the political parties in the states. How many mayors they got elected, how many people they'll govern, etc.. It's a single-page app built with d3.js. We updated its data while the results were published, live. There were almost 150.000 visits in two days. (<http://estadaodados.com/eleicoes2012/>)
- Retrato da Violência I did with some friends an interactive visualization on the data about rapes in Rio Grande do Sul, a state in Brazil. We've worked on it for a few weeks from home, in our spare time, as our entry in the W3C's contest DecodersRS. We had lots of fun, and won the first place in the end. (<http://retratodaviolencia.org>)
- pyppd This is a compressor for PPD files, that are used somewhat like printer's drivers. It was useful for Ubuntu, because when deploying a new version, they had to fit everything in a CD. So, they had either to cut support for older printers, or leave other improvements out. With this project, I got >90% compression rate. It freed them more than 20 MB, which is quite a lot in a 700 MB CD. Since then, it's being used by default in many other GNU/Linux distributions. (<http://github.com/vitorbaptista/pyppd/>)

Skills

- Languages Ruby, JavaScript, Python, Bash, C, PHP, Java
- Frameworks Rails, Sinatra, Angular.js, D3.js, NodeJS, Raphaël.js

Languages

Portuguese

Native

English

Advanced

Other Interests

Free Software

As a member of my state's GNU/Linux User Group, I've helped organize the ENSOL in its 2008, 2009 and 2010 editions. It was one of the biggest FLOSS meetings of Brazil's Northeast, attracting around 800 participants per year.