João Pedro Ferreira de Melo Leôncio

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EDUCATION

Federal University of Campina Grande
Bachelor of Science (Computer Science)
February 2012 - May 2017
Cumulative GPA: 3.05

WORK AND MAJOR SCHOOL PROJECTS

e-Pol - Software Practices Laboratory - UFCG
Full Stack Software Developer - December 2014 - May 2017

Developed and maintained the e-Pol web system - Management Activity System of the Federal Police, which aims to integrate systems used by the Federal Police of Brazil into an unified, faster and paperless experience. This software is developed in a partnership between UFCG (Federal University of Campina Grande) and the Federal Police. The developer's team use Java with JBoss Seam Framework, HTML, CSS and Javascript with AngularJS, SQL with Oracle, RESTful HTTP Applications Design and Agile Development Process.

SAPO - Software Practices Laboratory - UFCG
Software Developer and Undergraduate Researcher - August 2013 - December 2014

I worked under Prof. Dr. Jorge César Abrantes Figueiredo supervision, developing a system for the monitoring of procurement processes. This system is used by the university administration and aims to show what steps of the processes lack in performance by coordinating information about dates and places with other step status related data, and to make those responsible for the process aware about its situation either by accessing the system via web or by receiving email updates.

- Personally implemented the backend system with Python on Google App Engine using the Search API
- Obtained an Agile mindset
- Along with the team leader, built the petri net workflow, which brings flexibility to the modeling of the steps that the process must complete
- Implemented the web-based client with Google Web Toolkit

BeeFS - Distributed Systems Laboratory - UFCG
Undergraduate Researcher - November 2012 - July 2013

I worked under Prof. Dr. Lívia Sampaio supervision, researching and analyzing the performance and scalability of BeeFS (Beehive File System), a distributed file system that is being developed at Distributed Systems Laboratory.

- Personally implemented a Python micro-benchmark which automatically sets up the machine's environment for the experiments and evaluates the system in different scenarios and in different workloads that can be configured.
- Implemented scripts in R to extract the most important points of the benchmark data
- Analyzed the amount of data and indicated possible bottlenecks and bugs, comparing to other file systems data generated by the Python benchmark

TECHNICAL SKILLS

- Java (4 years), Python (5 years), Javascript (2 years), Bash, SQL, Oracle, CSS, Mercurial, Angular, JUnit and karma testing, Hibernate, RESTful apps design
- Eclipse, Intellij, Git, Mercurial,, Google Web Toolkit, Google App Engine

AWARDS

- Bronze Medalist in Regional Programming Olympiad, Advanced Senior, 2014
- Bronze Medalist in Regional Programming Olympiad, Advanced Junior, 2013
- 94th place in Brazilian Programming Olympiad, 2012
- Bronze Medalist in Regional Programming Olympiad, High school, 2011
- Honorable Mention in Regional Programming Olympiad, High school, 2010