

# João Pedro Ferreira de Melo Leoncio

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## EDUCATION

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

## WORK HISTORY

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

Developed and maintained the e-Pol web system - Management Activity System of the Federal Police, which integrates systems used by the Federal Police of Brazil into an unified, faster and paperless experience. The software is composed of a complex state machine which determines for each step who the current responsible is and where an enquiry is at the moment. The developer's team uses Java with JBoss Seam Framework, HTML, CSS and Javascript with AngularJS, SQL with Oracle, RESTful HTTP Application Design and Agile Development Process.

Strengths and achievements:

- Personally implemented key parts of the system during the start of the project
- Worked in both backend and frontend teams
- Worked directly with the customers to improve bug fix and specification process

**Software Developer and Undergraduate Researcher**, Software Practices Laboratory August 2013 - December 2014

Developed a system for the monitoring of procurement processes. That system aimed to determine which steps of the processes lack in performance.

Strengths and achievements:

- Personally implemented the backend system with Python on Google App Engine using the Search API
- Implemented the web-based client with Google Web Toolkit (Javascript generated by Java) and HTML, CSS
- 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

**Undergraduate Researcher**, BeeFS - Distributed Systems Laboratory November 2012 - July 2013

Researching and analyzing the performance and scalability of BeeFS (Beehive File System), a distributed file system that was 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 previously 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 (7 years), Javascript (2.5 years), HTML(8 years), CSS(4 years), Bash, SQL, Oracle, AngularJS 1.X, JUnit, Gulp, Mockito, AWS, OpenStack, 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

## **LANGUAGES**

English (Full Professional Proficiency)

Portuguese (Native)

Spanish (Beginner Level)

## **REFERENCES FOR JOÃO PEDRO**

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