Paulo Canedo C. Rodrigues

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Software Developer

I am consider myself as a self-taught and in love for technology, specially programming. I am live at a small-medium city on the middle of Brazil, I like to play Starcraft and watch some tournaments, also I like soccer and other sports. Sometimes I study OpenGL because graphics computer is very interesting, currently I have dedicated to learn about IoT making some automations at home.

Technical Skills

Languages: JavaScript, Java, C++, PHP, C, Python, Objective C, Lua

Operation Systems: Linux, OSX, Windows

Database: MySQL, PostgreSQL, MongoDB

Professional Experience

2011 to Present - Tribunal de Justiça do Tocantins

Working with a development team (~10 devs) in a system to manage juridical process of State government. Developed some modules, improvement of performance, install and configuration of production servers.

- PHP: the main programming language in the system
- python: make helping scripts
- bash: make scripts to bootstrap virtual machines (development and production)
- mongodb: used gridfs to cache pdf document merges
- vagrant: configure virtual machine for development
- gitlab: install and configure to handle everything on the system
- apache + php-fpm: install and configure to use as application server
- nginx: install and configure to use as reverse proxy + static content
- prometheus: install and configure to collect servers data
- grafana: install and configure to notify about alerts and present servers data

Development of a website to search jurisprudence related to the State government justice.

- PHP

- smarty template
- bootstrap css
- apache solr (install and configuration)
- web service REST: receives data from other internal system

Development of a Java Desktop application for PDF Documents sign compatible with ICPBrasil certs structure and pkcs11 hardware.

- https://eproc.tjto.jus.br/ferramentas/assinadortjto/AssinadorTJTO.jar
- iText: insert content signed into PDF Document
- PDF-Renderer: library to generate Java Image objects from PDF
- Bouncycastle: crypto provider for Java

2010 to 2011 – FCAS Organização Inteligente de Documentos

Developing a Java desktop application that scans and management access to physical documents. it used:

- Java: popular programming language
- Swing: UI framework
- tesseract: OCR library to index scanned documents
- apache lucene: full text search
- mysql server: relational database
- Java Advanced Imaging: library to convert document image to TIFF GROUP 4 resulting in a tiny file

2008 to 2009 – Tribunal de Contas do Estado do Tocantins

Development of a Java Desktop application for government finance audit of the State of Tocantins. it used:

- Java: a popular programming language
- NetBeans Platform: a easy way to develop a Desktop application upgradeable
- SAX Parser: read xml files bigger than 1GB
- apache derby: a client side database to cache and analyses data

2007 to 2008 – Universidade Federal do Tocantins

some classes about:

- sockets

- RMI (Remote Method Invocation)

- MPI (Message Passing Interface)

- image filters and convolution

- OpenGL

- Java2d

2007 to 2008 – REDESAT Tocantins

Development of prize draw application for radio listeners written in ruby and rails + mysql

2006 to 2007 – CREA-TO

Development of a web application to manage internal document, written in Java Server Faces.

2004 to 2005 – inova10

Development of a C++ Desktop application over Borland Builder and layer access to Firebird database.

2016 February/March – Mozilla Mountain View

Worked as a volunteer in Connected Devices for a month with QA team

Education & Certifications

Bachelor of Computer Science - Universidade Federal do Tocantins – Palmas, Brazil
Specialization course in Mobile Development - Faculdade Catolica do Tocantins – Palmas, Brazil
Sun Certified Java Programmer 1.6
Interactive Computer Graphics with WebGL – Coursera Online
https://www.coursera.org/account/accomplishments/certificate/E5SQDSVRA4