



João Paulo Canário

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Abstract Software engineer and computer vision specialist with expertise in REST API architecture, backend development and agile methodologies. Also, has a big interest in Python, machine learning and big data.

Interests Machine learning, big data, web development, Python and computer vision.

Experience **Echo Flow Engineering** 12 / 2015 – 01 / 2017
Projects:

- Fluxviz Meter – A computer vision system made with Python, OpenCV and Scikit-Learn embedded on a Raspberry Pi for pattern detection of a multiphase flow system and your transitions. This project was initially designed to pattern identification in a biphasic transport system composed by water and gas. (Project duration: 12/2015 to 03/2016)

Reconcavo Institute of Technology 05 / 2008 – 04 / 2014
Projects:

- R&D of educational games using AS2.0 and AS3.0. The project was promoted by the 'Lei do Bem' in cooperation with Positivo Educacional. Besides that, was technical leader during one year of project development. (Project duration: 05/2008 à 03/2013)

- Architectural evolution of download manager system using Java of SEMP Toshiba. (Project duration: 03/2013 à 11/2013)

- Architectural evolution of a web system using Java, PrimeFaces and JSF, for management of telecommunication equipment, clients and users for the Furukawa Group. (Project duration: 01/2014 à 03/2014)

Geotecnia Lab of Polytechnic School, UFBA (Internship) 09 / 2007 – 02 / 2008
Projects:

- R&D of a computer vision approach using Python and OpenCV to cars classification based on logic fuzzy.

Education **Msc in Computer Science** 09 / 2012 – 01 / 2016
Federal University of Bahia

Thesis title: A deep learning approach for facial expressions recognition. Area of interest: Computer Vision and Machine Learning.

Bachelor Degree in Computer Science 02 / 2004 – 08 / 2008
Ruy Barbosa Faculty

Final project: An open source motion capture tool using markings, build with C++, OpenGL, OpenCV and QT4 framework.

Skills

Idioms:

[Advanced – reading, conversation and writing] *English*;

[Native] *Portuguese*.

Programming languages and software development methodologies:

[Advanced] *Python, Git, Computer Vision, OpenCV*;

[Intermediate] *Machine Learning, Deep Learning, Scikit-Learn, Javascript, HTML, CSS*

Numpy, Pandas, Flask, REST API, Docker, SCRUM, XP, TDD;

[Beginner] *SQL, Java, C, C++, AngularJS, Django, MongoDB*.