

# Alexandre Gomes

SOFTWARE ENGINEER ·

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“The idea behind digital computers may be explained by saying that these machines are intended to carry out any operations which could be done by a human computer.”

## Education

### UFMG(Federal University of Minas Gerais)

B.S. IN COMPUTER SCIENCE

January 2003 - December 2007

<http://www.ufmg.br>

Belo Horizonte, Brazil

### UFMG(Federal University of Minas Gerais)

B.S. IN MATHEMATICS

January 2011 - Incomplete

<http://www.ufmg.br>

Belo Horizonte, Brazil

### Free Code Camp

FULL STACK WEB DEVELOPMENT CERTIFICATION, ENGENHARIA DE SOFTWARE

December 2016 - December 2017

<http://freecodecamp.com>

Belo Horizonte, Brazil

## Skills

**Programming** Java, C#, VB.Net, VB6, C/C++, Python, PowerShell, Octave, Matlab, LaTeX

**Web** JSF, Asp.Net, AngularJs 1.5, HTML, JavaScript, CSS

**Databases** PostgreSQL, MySQL, SQL Server

**Servers** JBoss

**Languages** Brazilian Portuguese, English

## Courses And Certifications

### Scrum Alliance

CERTIFIED SCRUM MASTER

February 2011 - PRESENT

[Profile](#)

Belo Horizonte, Brazil

### PUC(Pontifical Catholic University of Minas Gerais)

SOFTWARE TESTING COURSE

June 2017

[Teste de Software](#)

Belo Horizonte, Brazil

### Framework Training Center

DEVELOPMENT OF APPLICATIONS WITH ANGULARJS

July 2016

[Applications with AngularJS](#)

Belo Horizonte, Brazil

### CBDS - Brazilian software development company

JAVA WITH EJB 3.1, ECLIPSELINK AND JBOSS AS 7

February 2014

[CBDS](#)

Belo Horizonte, Brazil

## Work Experience

### Freelancer

MOBILE DEVELOPER

- Developed a mobile app for an the high school Instituto Coração de Jesus in Xamarin Forms, this app was not published.
- Developed a mobile app for the Plannix company, in Xamarin Forms named Precast Control and published it in iTunes Store.

[Belo Horizonte, Brazil](#)

June 2016 - PRESENT

### CJMG - Court of Justice of Minas Gerais

SYSTEMS ANALYST

- Work in a legal system developed in Java using JSF, JBPM, Hibernate and Seam.
- Developed a proof of concept which objective was to assess the feasibility of a migration of a monolithic software based on JSF and Seam to a microservices architecture based on JAVA, EJB, REST and AngularJS 1.5.

[Belo Horizonte, Brazil](#)

October 2013 - PRESENT

## Sílex Sistemas

Belo Horizonte, Brazil

TECH LEAD

April 2008 - October 2014

- Created a software development process based on Scrum and PMBOK during their certification process to become a MPS.Br level C certified company. MPS.Br, Brazilian Software Process Improvement, is a Softex program supported by the Ministry of Science, Technology, Innovation and Communications (MCTIC).
- Participation in the development of a real estate search mechanism using Python with the Scrapy framework
- Study and implementation of the software Openbravo, ERP developed in Java with Seam, for a proof of concept which objective was replace their old ERP System
- Managed the evolution of their major software GAT, which was a ERP specialized in technical maintenance developed in VB6 with parts in .NET
- Implemented a system to communicate through SOAP with government webservice for tax declaration of electronic invoices in .NET

## UFMG Informática Júnior

Belo Horizonte, Brazil

WEB DEVELOPER

March 2003 - June 2006

- Worked on several projects during this time the most relevant was a web system for register conditions of rails used by the trains of Vale do Rio Doce

## Extracurricular Activity

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### Mais Justiça

Belo Horizonte, Brazil

TEACHER AND COORDINATOR

July 2016 - PRESENT

- The Social Justice Plus Project was conceived by fellow civil servants of the Minas Gerais Court of Justice (TJMG) in early 2016, activists in various social causes, who decided to join forces to build a fairer society, free and in solidarity.

## Presentation

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### XIII Congress of the Brazilian Society of Bone Marrow Transplantation

Curitiba, Brazil

NEW ALGORITHM FOR IDENTIFICATION OF SUPERTYPES AND CLUSTER OF HLA PAIRWISE ALIGNMENT-FREE NUCLEOTIDE

August 2009

SEQUENCES

- The nucleotide sequences of 618 HLA-DRB1 alleles were represented by vectors and clustered using k-Means and Single value decomposition(SVD) for dimensionality reduction