



Juan Lopes

Software Engineer

Lives in

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Web

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Programming

Java ★★★★★

C# ★★★★★

Backend ★★★★★

Algorithms ★★★★★

Compilers ★★★★★

JS ★★★★★

Frontend ★★★★★

Python ★★★★★

C++ ★★★★★

Languages

Portuguese ★★★★★

English ★★★★★

Spanish ★★★★★

Experience

since 2011

Software Engineer, R&D

Intelie

Developed many new features in the company's stream analytics platform, Intelie Live, including the real-time query API and the extensibility core. Also, created Intelie Pipes, an event processing language and engine that gives the company a competitive advantage. Created code that processes tens of billions of events per day.

2007–2011

Software Engineer

Living Consultoria

Worked at several projects as lead programmer. Wrote the company's main LOB applications framework, used in most projects. Worked in a large billing project for an European company, collaborating with tens of people all over the world. Went to Amsterdam a couple of times for that project.

Education

since 2014

Master's Degree in Computational Sciences

UERJ

Researched on probabilistic data-structures, published some papers about it. Currently writing a dissertation summarizing the research so far, and introducing a novel graph representation that may allow the use of those structures to reduce space-complexity for probabilistic representation of some graph classes.

2006–2013

Bachelor's Degree in Informatics & Information Technology

UERJ

Focused on Algorithms and Data Structure-related classes. This led me to participate in six editions of the ACM-ICPC, being South-American finalist in five of them. Graduated with a monograph on the Polynomial-Time Nature of Regular Expressions, evaluating the theory against industry-standard implementations.

Other Info

since 2013

Speaker at QCon SP

Talks

(2016) Randomness at the Heart of the Future Algorithms;
(2015) Algorithms in the Battlefield;
(2013) Analyzing and Reducing Big Data Streams in Real-Time.

since 2014

Speaker at QCon Rio

Talks

(2015) Does Lucene Scale?
(2014) PIPES: A Language for Distributed Complex Event Processing.

since 2013

IEEEExtreme 24-Hour Programming Competition

Contest

1st place in Brazil (2013) and 34th place worldwide (2015).

2008–2013

International Collegiate Programming Contest (ACM-ICPC)

Contest

Five times south-american finalist (all except 2010).