



Juan Lopes

Software Engineer

📍 Lives in

Rio de Janeiro, Brazil

✉ Contact

me@juanlopes.net
+55 21 99317 4772

🐱 Web

juanlopes.net
github.com/juanlopes
twitter.com/juanlopes
stackoverflow.com/u/1327235

💻 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 36th place worldwide (2015).
- 2008–2013 **International Collegiate Programming Contest (ACM-ICPC)** Contest
Five times south-american finalist (all except 2010).

Last updated: September 19, 2016