



# LAURO GONÇALVES DA ROCHA

SOFTWARE ENGINEER

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## SUMMARY

Committed software engineer with great communication skills and background working with cross-cultural, global teams. Understands the whole software development cycle and focuses on delivering simple, robust and clean code. Well-organized, with a hands on approach and always willing to help the team and share knowledge.

## EXPERIENCE

### SOFTWARE ENGINEER @NATIXIS, Paris 2016 - Present

- Main technical interface between
  - Paris, Porto NY, HK teams (Developer Relations with 15 people)
  - External teams (third-party/vendors) in London and Bucharest
- Developed C++ shared libs
  - Focused on simple, robust and clean code
  - Fixed technical and functional production bugs
  - Created new functionalities for the system API
- Developed C# front end screens improving UX
- Developed shell scripts and SQL queries for night batches and tests
- Worked and succeeded in big migrations such as:
  - Solaris SPARC to Solaris X86
  - Solaris x86 to Linux Redhat 7
  - C98 to C11 and subsequently to C17
- Implemented strategies to stabilise the dev and test environments
- Standardised the dev tools for sourcing/compilation
- Implemented the CI/CD chain with Jenkins (shell and groovy)
- Managed the internal cloud dev servers
- Implemented git lfs with artifactory
- Tested technologies such as clangformat, sonar, google test, CMake
- Interviewed and trained new developers
- Used agile methodologies and tools in a daily basis

### SOFTWARE AND RESEARCH ENGINEER @LG, São Paulo 2015 - 2016

Software Engineer

- Developed new functionalities for a Java application used for Android customization in LG worldwide
- Discussed new requirements with other labs (India, Poland, Korea)
- Reviewed and Integrated commits with gerrit and git
- Managed/Synched with an external dev team of 4 people
- Used Jenkins to deliver the new releases
- Validated the go-live in Production
- Applied agile methodologies in the project

## SKILLS & TOOLS

C/C++   
C#   
Java   
Python   
Shell   
SQL

jenkins

git

scrum

devops

clean code

linux

## SKILLS OF INTEREST

unit test

tdd

tests

refacto

modern c++

bdd

design patterns

docker

cloud

kubernetes

python

infra as code

## LANGUAGES

**Portuguese** (Native)  
**English** (Fluent)  
**French** (Fluent)  
**Spanish** (Professional)

## Research Engineer

- Supported the prospection of new disruptive technologies with partners
- Acted as the main technical specialist promoting knowledge transfer
- Developed PoCs in Java
  - Used Android Studio and gradle for the package generation
  - Integrated C++ code using JNI
- Executed tests during the projects with Java, Python, C/C++, MATLAB
- Collaborated with external research partners to integrate the projects

## SENIOR IT ANALYST @ITAU, São Paulo

2012 - 2015

- Acted as the main technical specialist between Dev, Ops and Business for CIB international projects
- Managed multidisciplinary IT teams assuring quality and delivery time
- Installed, configured, developed virtual infrastructure, servers, components and systems with full documentation of the process
- Defined with the IM team processes to improve the production bugs response time and actions using ITIL practices
- Helped the it security team in audits using the ISO27002 standard

## EDUCATION

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### COMPUTER ENGINEER Universidade Federal de Pernambuco

2007 - 2011

- Intern C/C++ developer of a real time communication protocol for PoS
- Exchange Program in France, Université de Technologie de Compiègne
- Research student developed signal processing algorithms in C/C++/Java
- Research student developed an IpCore in C/C++ and SystemC
- C/C++ Programming tutor

### STRATEGIC LEADERSHIP New York University

2013

- Short-term course focused on impacts of global market in companies and how strategic leadership, project management and IT can lead them to success.
- Multidisciplinary teams worked together in real cases for Itau

### IT MANAGEMENT Fundação Getúlio Vargas

2014

- Short-term course on IT management focused on project management, prospection and selection of new technologies, BI, Big Data and security