

Jean Melo

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EDUCATION

IT UNIVERSITY OF COPENHAGEN (ITU)

PH.D. IN SOFTWARE ENGINEERING

Jun 2014 - Aug 2017 | Copenhagen, DK

Thesis – Variability Bugs: Program and Programmer Perspective.

FEDERAL UNIVERSITY OF PERNAMBUCO (UFPE)

M.S. IN COMPUTER SCIENCE

Mar 2012 - May 2014 | Recife, Brazil

Conc. in Software Product Lines, Variability and Static Analysis.

FEDERAL UNIVERSITY OF ALAGOAS (UFAL)

B.S. IN COMPUTER SCIENCE

Feb 2008 - Feb 2012 | Maceió, Brazil

Conc. in Software Engineering.

LINKS

LinkedIn: [linkedin.com/in/jccmelo](https://www.linkedin.com/in/jccmelo)

Github: github.com/jccmelo

Twitter: twitter.com/jccmelo

SKILLS

PROGRAMMING & TECHNOLOGIES

Language:

Proficient: Java

Familiar: C/C++ • Groovy • UML • SQL

Framework:

EMF • JSF • Hibernate

PrimeFaces • JUnit • Grails

Database Mgt. System:

MySQL • PostgreSQL

Version control:

Git • Mercurial

Agile:

Scrum • XP

IDE:

Eclipse • IntelliJ

WORK EXPERIENCE

CONFIGIT A/S SOFTWARE DEVELOPER

Oct 2017 - Present | Copenhagen, Denmark | <http://www.configit.com>

Solving complex product configuration problems.

- Developer on Configit Build, a Java-based platform that lets users model highly customizable products, and create custom CPQ (configure, price, and quote) applications based on those models.
- Maintainer of the Document Designer and Generator.
- Technologies: Java, EMF, Git, Maven.

STARTUP MEU TUTOR SOFTWARE DEVELOPER (PART-TIME)

Feb 2010 - Dec 2012 | Maceió, AL, Brazil | <http://www.meututor.com.br>

MeuTutor provides personalized and gamified e-learning for the standardized Brazilian high school national exam. **Achievement Highlights:**

- Refactored the kernel component and made it 2x faster to perform core operations such as generate and grade questions.
- Designed, developed, and tested the full stack implementation of, e.g., account views (admin, student, teacher) and sign in.
- Set up Mantis bug tracker and organized the Git repository.
- Technologies used: Scrum, Git, UML, JSF, PrimeFaces, JUnit, Protégé-OWL, Sesame, and Mantis Bug Tracker.

RESEARCH EXPERIENCE

CARNEGIE MELLON UNIVERSITY | VISITING RESEARCH SCHOLAR

Sept 2016 - Mar 2017 | Pittsburgh, PA, USA

Worked on variability-aware analysis for understanding patches in highly-configurable systems, under the supervision of **Assoc Prof Christian Kästner**. I built a prototype tool in Scala, **CSlicer**, which takes a C program with preprocessor directives (`#ifdefs`) as input and generates a simplified program with `#ifdef` based on a program point.

IT UNIVERSITY OF COPENHAGEN | PH.D. RESEARCHER

Jun 2014 - Aug 2017 | Copenhagen, Denmark

Developed methods and tools to find bugs and to improve debugging and maintainability of highly-configurable systems. Also, I set off to understand the impact of software variability through different perspectives using empirical research (experiments).

Supervisors: **Assoc Prof Claus Brabrand** and **Prof Andrzej Wąsowski**.

FEDERAL UNIVERSITY OF PERNAMBUCO | M.Sc. RESEARCHER

Mar 2012 - May 2014 | Recife, PE, Brazil

Explored new approaches for tool based modularity. As a result, I implemented an Eclipse plug-in (**Emergo++**) that performs feature-sensitive dataflow analysis by capturing feature (code) dependencies and then providing information about other feature implementations that can be affected during a code maintenance task.

Supervisor: **Prof Paulo Borba**.

LANGUAGES

Portuguese ●●●●●
 English ●●●●●
 Spanish ●●●○○
 Danish ●○○○○

INTERESTS

Football (soccer)
 Fishing • Traveling
 Watching movies • Kart racing