

João RODRIGUES AMÉRICO

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- OBJECTIVE** A position of Senior Software Engineer or Architect.
- EXPERIENCE**
- Senior Software Engineer at Murex S.A.S., Paris, France* Nov 2013 - present
Lead developer, team leader and operational manager of a distributed team of developers working on MX.3's **workflow** engine.
Java, Maven, Camel, ActiveMQ, Spring, JUnit, Jenkins, Cucumber, Git, Agile, SAFe.
- R&D Engineer at Bull S.A.S., Grenoble, France* Nov 2010 - Oct 2013
Developed **models** and extensions for **real-time** support in **SOA** technologies.
Java, TuSCAny, OSGi, RTSJ.
- Intern at Grenoble Informatics Laboratory, Grenoble, France* Feb 2010 - Aug 2010
Developed support for real-time applications on the **OSGi** platform.
Java, Apache Karaf, OSGi, RTSJ.
- Intern at Bull S.A.S., Grenoble, France* Mar 2009 - Aug 2009
Prototyped a real-time **Java** application server by means of **byte-code** injection.
Java, OSGi, JOnAS, byte-code.
- EDUCATION**
- Doctorate (PhD), Computer Science* Nov 2010 - Nov 2013
University of Grenoble, Grenoble, France
Thesis: "A service-oriented component meta-model for developing flexible and modular real-time applications", supervised by Prof. Dr. Didier Donsez.
- Engineer (MSc), Computer Science (GPA: 14.7/20)* Sep 2008 - Jul 2010
Grenoble Institute of Technology (ENSIMAG), Grenoble, France.
Concentration: Software Engineering and Information Systems. Obtained *Mention Bien*.
- Bachelor (BSc), Computer Science (GPA: 9.55/10)* Mar 2005 - Sep 2010
Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil
Academic distinction (*summa cum laude*) and highlight student awards.
- COMPETENCES** *Portuguese: Native French: Fluent (oral/written) English: Fluent (oral/written)*
Programming Languages: Java (expert), Javascript, Python (beginner)
- SELECTED PUBLICATIONS**
- **Américo JC**, Rudametkin W, Donsez D. "Managing the Dynamism of Real-Time Java Applications on the OSGi Platform". In *27th ACM Symposium on Applied Computing*, Riva del Garda, Italy, 2012.
 - Calmant T, **Américo JC**, Donsez D, Gattaz O, Gama K. "A Dynamic and Service-Oriented Component Model for Python Long-Lived Applications". In *15th Intl Symposium on Component Based Software Engineering*, Bertinoro, Italy, 2012.
 - **Américo JC**, Donsez D. "Service Component Architecture Extensions for Dynamic Systems". In *10th Intl Conference on Service-Oriented Computing*, Shanghai, China, 2012.
- PATENTS**
- **FR3012896** - *A procedure to validate the response time of an application, and a procedure to deploy applications using the validation procedure*, May 2015.
 - **FR3029658** - *System and method for converting octal Java code into real-time octal Java code*, June 2016.
- INTERESTS** Java, software engineering, volleyball, music, games, gadgets