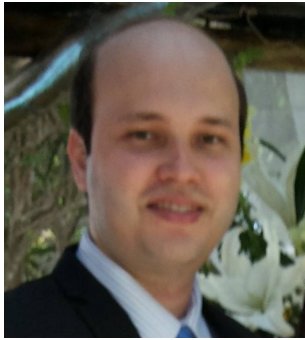# Jalerson Lima, Msc

Full-time Professor of Information Systems
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## Research Interests

**Software Engineering**: Empirical software engineering, collaboration-based software development, software developers productivity assessment, mining software repositories.

**Classroom and Remote Education**: Computer programming, software engineering concepts and practices.

**Informatics in Healthcare**.

## Current Activities

**Since 2014:** Distance Education Professor of Information Systems
*Remote Education Campus (http://ead.ifrn.edu.br)*
*Federal Institute of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**Since 2012:** Researcher of Remote Healthcare
*Laboratory of Technology Innovations in Health (http://lais.huol.ufrn.br)*
*Federal University of Rio Grande do Norte (http://www.ufrn.br)*

## Previous Experience

**2010 – 2014:** Classroom Professor of Information Systems
*Pau dos Ferros, Currais Novos, João Câmara and Nova Cruz Campus*
*Federal Institute of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**2009 – 2010:** Systems Analyst
*Sync Systems (http://www.syncsistemas.com)*
*Natal, Rio Grande do Norte, Brazil*

**2009:** Substitute Professor of Information Systems
*Natal Campus (http://portal.ifrn.edu.br/campus/natalcentral)*
*Federal Institute of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**2008 – 2009:** Remote Systems Analyst Consultant
*Symetrix Corp. (http://www.symetrixcorp.com/)*
*Natal, Rio Grande do Norte, Brazil*

**2005 – 2007:** Scientific Initiation Researcher
*Natal Campus (http://portal.ifrn.edu.br/campus/natalcentral)*
*Federal Institute of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**2005 – 2006:** Scientific Initiation Researcher
*Natal Campus*
*Feveral University of Rio Grande do Norte (http://www.ufrn.br)*

# Education

**2012 – 2014:** Master's degree in Systems and Computing
*Department of Computing and Applied Mathematics (https://dimap.ufrn.br/en)*
*Federal University of Rio Grande do Norte (http://www.ufrn.br)*
*Natal, Rio Grande do Norte, Brazil*

**2008 – 2010:** Specialization's degree (Post-Bachelor qualification) in Systems Engineering
*Open Superior School of Brazil (http://www.esab.edu.br)*
*Vila Velha, Espirito Santo, Brazil*

**2004 – 2007:** Bachelor's degree in Software Development
*Academic Department of Management and Information Technology (http://diatinf.ifrn.edu.br)*
*Federal Institute of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*
*Natal, Rio Grande do Norte, Brazil*

# Projects

**2014:** Macau EXPOTEC Website, PHP Project
*Macau Campus*
*Federal Instituton of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**Since 2013:** Backhoe, Master's degree project developed in Java
*Department of Computing and Applied Mathematics (https://dimap.ufrn.br/en)*
*Federal University of Rio Grande do Norte (http://www.ufrn.br)*

**2013:** Nova Cruz EXPOTEC Website, PHP Project
*Nova Cruz Campus*
*Federal Instituton of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**Since 2012:** Telepediatria, Ruby on Rails project
*Laboratory of Technology Innovations in Health (*http://lais.huol.ufrn.br*)*
*Federal University of Rio Grande do Norte (http://www.ufrn.br)*

**2012:** National Observatory of Dengue, Ruby on Rails project (AFP Video: http://youtu.be/kWvhaHXv-7o)
*Laboratory of Technology Innovations in Health (*http://lais.huol.ufrn.br*)*
*Federal University of Rio Grande do Norte (http://www.ufrn.br)*

**2011:** Pau dos Ferros EXPOTEC Website, Ruby on Rails project
*Pau dos Ferros Campus*
*Federal Instituton of Education at Rio Grande do Norte (http://www.ifrn.edu.br)*

**2009 – 2010:** Telepesquisa, Ruby on Rails project
*Sync Systems (http://www.syncsistemas.com)*
*Natal, Rio Grande do Norte, Brazil*

**2009 – 2010:** Bluesync, Java project
*Sync Systems (http://www.syncsistemas.com)*
*Natal, Rio Grande do Norte, Brazil*

**2008:** RFID-based projects, Java, C# and .NET projects
*Ciclop*
*Natal, Rio Grande do Norte, Brazil*

**2008:** Eye of the Eagle, C# and C project
*Symetrix Corp. (http://www.symetrixcorp.com/)*
*Colorado Springs, Colorado, United States*

**2007:** Portal Conexões de Saberes, Java project
*Federal Institute of Education at Rio Grande do Norte ([http://www.ifrn.edu.br](http://www.ifrn.edu.br))*
*Natal, Rio Grande do Norte, Brazil*

**2006:** Recarcine, PHP project
*Brazilian Agency of Aquaculture Development*
*Federal University of Rio Grande do Norte ([http://www.ufrn.br](http://www.ufrn.br))*

# Publications

## Summary published in proceedings of conferences

**Development of a system to support pediatric diabetic patients using Brazilian Remote Healthcare Program**
Ricardo Arrais, Jalerson Lima, Jailton Carlos, Ricardo Valentim
*10th Brazilian Congress of Pediatric Endrocrinology and Metabolism, 2013*

## Papers in scientific journals

**Dengue National Observatory - A system for dengue cases monitoring**
Daniele Montenegro da Silva Barros, Philippi Sedir Grilo de Morais, Jailton Carlos de Paiva, Jalerson Raposo Ferreira de Lima, Janaína Luana Rodrigues da Silva
*Journal of Technological Innovation in Healthcare, 2013*

**XRTPS - Extensible Real-Time Publish-Subscribe: A multicast middleware for exchanging XML-based data in real time networks**
Jalerson Raposo Ferreira de Lima, Ricardo Alexsandro de Medeiros Valentim, Bruno Gomes de Araújo, João Marcos Teixeira Lacerda, Diego Rodrigues de Carvalho, Marcel da Câmara Ribeiro Dantas, Ronaldo Maia de Medeiros
*HOLOS, 2011*

## Complete works published in proceedings of conferences

**Assessing Developer Contribution with Repository Mining-based Metrics**
Jalerson Lima, Christoph Treude, Fernando Figueira, Uirá Kulesza
*31st International Conference on Software Maintenance and Evolution (ICSME), 2015*

**Conditional Execution: A Pattern for the Implementation of Fine-Grained Variabilities in Software Product Lines**
Jadson Santos, Jalerson Lima, Gleydson Lima, Uirá Kulesza, Demóstenes Sena, Felipe Pinto, Alexandre Vianna, David Pereira, Victor Fernandes
*9th Latin-American Conference on Pattern Languages of Programming, 2012*

**Modularization of Variabilities From Software Product Lines of Web Information Systems**
Demóstenes Sena, Felipe Pinto, Gleydson Lima, Jadson Santos, Jalerson Lima, Uirá Kulesza, David Pereira, Victor Fernandes, Alexandre Vianna
*9th Latin-American Conference on Pattern Languages of Programming, 2012*

**Squid: an extensible infrastructure for analyzing software product line implementations**
Alexandre Vianna, Felipe Pinto, Demóstenes Sena, Uirá Kulesza, Roberta Coelho, Jadson Santos, Jalerson Lima, Gleydson Lima
*3rd International Workshop on Knowledge Oriented Product Line Engineering, 2012*

# Teaching

## *Remote Education*

### Academic Semester 2015.2

*Remote Education Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   Structured and Object-Oriented Programming

### Academic Semester 2015.1

*Remote Education Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   Design Web
   Algorithms

### Academic Semester 2014.2

*Remote Education Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   New Information and Communication Technologies and Moodle in Education
   Computer Basics

### Academic Semester 2014.1

*Remote Education Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   Computer Basics

## *Classroom*

### Academic Semester 2013.2

*Nova Cruz Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   Web Development Fundamentals
   Project Development
   Internet Programming Fundamentals
   Internet Programming with Database

### Academic Semester 2013.1

*Nova Cruz Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   Web Development Fundamentals
   Algorithms
   Internet Programming Fundamentals
   Web Programming

### Academic Semester 2012.2

*Nova Cruz Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
   Algorithms
   Computer Basics
   Web Programming

**Academic Semester 2012.1**

*João Câmara Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
    Algorithms
    Object-Oriented Programming

*Nova Cruz Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
    Databases
    Algorithms
    Object-Oriented Programming

**Academic Semester 2011.2**

*Currais Novos Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
    Programming Fundamentals
    Software Engineering
    Computer Basics

**Academic Semester 2011.1**

*Pau dos Ferros Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
    Programming Fundamentals
    Web Development Fundamentals
    Web Programming
    Developing Web Applications using Java

**Academic Semester 2010.2**

*Pau dos Ferros Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
    Computer Basics
    Web Development Fundamentals
    Programming Fundamentals
    Object-Oriented Programming

**Academic Semester 2010.1**

*Pau dos Ferros Campus*
*Federal Institute of Education at Rio Grande do Norte, Brazil*
    BrOffice Workshop
    Computer Basics (Nutrition course)
    Web Development Fundamentals
    Algorithms

## *Supervised Students*

### Technical Degree

Ailson Barbosa de Oliveira
*Open-source solutions for e-commerce*

Anderson Rodrigues de Sousa
*Developing a system for EXPOTEC enrolment management*

Nathália Thais Trajano da Fonsêca Silva
*Modeling a system for academic activities management*

Bruno Agenor Soares Santana
Margaret Darling Bezerra
*An online and collaborative system for manage educational materials*

Joel Fernandes Cardoso dos Santos
João Oliveira da Silva Júnior
*A system for academic activities management*

Josivânia Kelly Flôr de Lima Silva
Renata de Souza Lima
*Robocode Tournament*

Maria Gracielly F. Coutinho
Rubiany Farias Mendes
*Producing didatic materials for Scratch: a support tool to teach programming*

Camila Karen Silva Jacó
Renata Pereira Padilha do Rosário
*IFRN Egressos: An online system to offer and seek jobs*