

# Thiago Messias Simões de Freitas Bonfim

## Resume

Brazilian, 30 years old.  
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## Education

Bachelor in Computer Engineering at Vale do São Francisco Federal University (UNIVASF) in Juazeiro, Brazil.  
Science Without Borders Exchange Program at Óbuda University, Kandó Kálmán Faculty of Electrical Engineering, in Budapest, Hungary.

## Profile

- Main experience in Web Development and Embedded Systems Test Automation;
- C, C++, Java, Python, JavaScript, TypeScript, PHP, Swift, HTML, CSS, SQL;
- Embedded Systems: CAN, FlexRay, XCP, AUTOSAR;
- Front End: Bootstrap, AngularJS, Angular, Vue, Ionic, jQuery, JSP, JSF, Facelets and PrimeFaces;
- Back End: Java EE, JPA, Hibernate, Spring, Firebase, PostgreSQL, MySQL, Oracle Database and DB2;
- ISTQB Foundation Level Certified Tester;
- Fluent English and native Portuguese.

## Professional Experience

1. **Software Test Engineer - thyssenkrupp Components Technology Hungary Kft.**
  - March 2017 - Currently – Budapest, Hungary;
  - Automated Integration Testing of Embedded Systems Software for Electric Power Assisted Steering (EPAS) systems;
  - Python, C, CAN, FlexRay, XCP, AUTOSAR.
2. **Full Stack Web Developer - MV Informática Nordeste Ltda.**
  - October 2016 - December 2017 (3 months) – Recife, Brazil;
  - Health management systems developer;
  - Spring Framework, Hibernate, AngularJS and Oracle Database.
3. **Systems Analyst / Developer - Linx S.A.**
  - April 2016 - September 2016 (6 months) – Recife, Brazil;
  - Commercial Automation Systems projects web and desktop developer;
  - Java EE, Hibernate, AngularJS and DB2.
4. **Full Stack Web Developer - Secretaria da Fazenda do Estado de Pernambuco / Third Party**
  - May 2015 – March 2016 (11 months) – Recife, Brazil;
  - Software developer on corporate systems for Secretaria da Fazenda do Estado de Pernambuco - Sefaz/PE;
  - Java EE, AngularJS and Oracle Database.

**5. Full Stack Web Developer – Department of Distance Education of Vale do São Francisco Federal University / Third Party**

- January 2013 - June 2013 (6 months) – Petrolina, Brazil;
- Web application development to manage teachers' and coordinators' reports of distance education courses of Vale do São Francisco Federal University (UNIVASF);
- Java Web, JSF, Primefaces, MySQL.

**6. Computer Technician – Infojoia**

- February 2007 - June 2007 (5 months) – Senhor do Bonfim, Brazil;
- Responsible for assembly, maintenance, and installation of desktop computers.

## **Scientific Experience**

**• Scientific Initiation Scholarship – PIBIC/Univasf**

- August 2011 - July 2012 (1 year) – Juazeiro, Brazil;
- Application of a parallel programming model with multi-cores of a massively parallel model using Graphics Processing Units (GPUs) in an Two Variables Polynomial Regression Algorithm which implements a terrain shape modeling of the region of São Francisco Valley.

**• Scientific Initiation Scholarship – PIBIC/CNPq**

- August 2010 - July 2011 (1 year) – Juazeiro, Brazil;
- Development of a tool to evaluate the quality of requirement documents.

**• Scientific Initiation Scholarship – PIBIC/FAPESB**

- August 2009 - July 2010 (1 year) – Juazeiro, Brazil;
- Extension of the management software of health entities CIDHA e VIPEPI in Juazeiro – BA, Brazil.

**• Scientific Initiation Scholarship – PIBIC/CNPq**

- August 2008 - July 2009 (1 year) – Juazeiro, Brazil;
- Development of management software for health entities CIDHA and VIPEPI in Juazeiro, Brazil.

**• Main Papers and Book Chapters:**

1. BONFIM, T. M. S. F. ; RAMOS R. A. ; LEAL, B. G. . DEVELOPMENT OF A MUSICAL CHORDS RECOGNIZER SYSTEM. Cluj-Napoca, Romania. XIX FIATAL MŰSZAKIAK TUDOMÁNYOS ÜLÉSSZAKA, v. 19, p. 97-100, 2014. **ISSN 2067 - 6 808**.
2. BONFIM, T., NERY FILHO, J., RAMOS R. and BORATTO, M., The barracuda design pattern (in Portuguese). In: Proceedings of the 9th Latin-American Conference on Pattern Languages of Programming. New York, NY, USA: ACM, 2012. (SugarLoafLoP '12), p. 7:1-7:13. DOI 10.1145/2591028.2600816. **ISBN 978-1-4503-2787-9**. Disponível em: <http://doi.acm.org/10.1145/2591028.2600816>.
3. BORATTO, M. C. ; LEAL, B. ; BARRETO, M. ; COELHO, L. ; BONFIM, T. M. S. F. . Modelagem Computacional da Espacialização do Relevo na Região Agrícola do Vale do Rio São Francisco. In: Paulo Sausen; Airam Sausen. (Org.). Pesquisas Aplicadas em Modelagem Matemática. 1ed.Ijuí: Unijuí, 2012, v. 1, p. 81-101. **ISBN: 9788541900379**.

**Thiago Messias Simões de Freitas Bonfim**  
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