

Gustavo Limaverde Cabral

Phd student at The University of Tokyo

gustavo.limaverde@gmail.com

Summary

During the last 10 years I have worked with Java and related technologies (frameworks, API) in the fields of web and desktop applications. In the past 5 years I have focused on my academic skills and worked with natural language processing and formal models with the goal of achieving higher quality specifications and testing of software. My main target has been mobile phone software since it is a growing area of development and still requires finer set of tool in order to decrease the time of development and increase quality of solutions. Currently I prospect improving my entrepreneur side by enhancing my managerial and business skills.

Specialties

formal methods, software modeling, model-driven engineering, requirements engineering, compilers and transformations and natural language processing

Experience

Network operations engineer at Transit Telecom Japan

November 2007 - May 2008 (7 months)

Development activities: specification of products that are associated with VoIP services provided by Transit Telecom Japan. It was analyzed possibilities of using the VoIP infrastructure, such as the prepaid calling cards, as virtual money to pay for Internet purchases and accomplish money transfers (bills payments).

Operation activities: project, setting up and management of networks, routers, Internet links, servers (Windows and Linux), firewall, CISCO voice gateways (IOS) and ISDN voice links at datacenter. Project and implementation of VoIP solution for companies, such as VoIP PBXs with call plans and telephone extensions, using Asterisk.

Test Automation Researcher (R&D) at CIn-UFPE/Motorola

March 2005 - September 2006 (1 year 7 months)

As member of the R&D team at the BTC (Brazil Test Center) project I was responsible for developing technologies to assist the design of use cases. This investigation was part of my MSc research and allowed me to publish several papers. Since the research was founded by Motorola the developed tool were used in the mobile phone softwares specification domain. This research was strongly connected with the extraction of test cases that could be execution by a test bed since the main motivation was the improvement of quality and reduction of cost of the final software product.

2 recommendations available upon request

Configuration Manager (CM) at CIn-UFPE/Motorola

June 2004 - February 2005 (9 months)

The BTC (Brazil Test Center) project is responsible for the execution of a large range of tests on softwares shipped with the mobile phones produced by Motorola. Part of the process is mechanized by softwares that execute test cases on under-development systems. The team I belonged to was responsible for the development of such test bed platform, along with other teams around Brazil. My role as a Configuration Manager (CM) and Software Engineer was participating of the CM meetings, deciding the changes to be made, managing Change Requests (CRs) and participating of code and documents inspections. Such activities requires a fine collaboration with project and quality managers. Finally, I was in charge of merging and resolving code conflicts and delivering the parts of the system under the responsibility of my team. In the spare time I also participated in the development of the product itself, the test automation system, using Java.

2 recommendations available upon request

Education

Universidade Federal de Pernambuco

MSc, Natural Language Processing, Formal Methods and Software Testing, 2005 - 2006

Activities and Societies: During this research activity, use case specification documents of Motorola mobile phone softwares were analyzed and such know-how was used to define a strategy to automate the processing of English-written use cases. Using use cases formatted in a proposed standard, the developed tool extracts a formal model that contains the use model (behavior) of the system under development.

Universidade Federal de Pernambuco

BS, Computer Science, 1999 - 2004

Activities and Societies: During my undergraduate course it was granted to me the PET (Program Especial de Treinamento) scholarship. As a member of the PET research team I was responsible for assisting professors in their disciplines, monitoring/helping students, organizing seminars, workshops and courses.

The University of Tokyo

PhD, Natural Language Processing, Model-driven Engineering, Formal Methods, Software Testing, 2007

Activities and Societies: At the University of Tokyo I participated of weekly meetings and seminars at the Computing System Research Group under the supervision of Professor Tetsuo Tamai. My research extends previously achieve results in the fields of Natural Language reasoning and Software Engineering. The goal of this research project is specifying software, check its behavior and extract/execute test cases using Model-driven techniques (metamodels, systax and transformations) and formal methods.

Honors and Awards

Best paper of SBMF'2006

Interests

History, politics, economy, green technologies, global warming, e-government (participative democracy), swimming and riding bicycle.

Gustavo Limaverde Cabral

Phd student at The University of Tokyo

gustavo.limaverde@gmail.com



4 people have recommended Gustavo Limaverde

"Gustavo is an awesome professional! He`s very pragmatic and he's always aiming to accomplish his goals! You may definitely count on him to speed up your project!"

— **Dante Torres**, *Technical Leader, Informatics Center - Motorola*, worked directly with Gustavo Limaverde at CIn-UFPE/Motorola

"Gustavo is a very committed and proactive professional. He is always pursuing improvements and has goodwill to help the colleagues."

— **Virginia Viana, MSc, PMP**, *Project Manager, UFPE CIn / Motorola / Software Test Project*, managed Gustavo Limaverde at CIn-UFPE/Motorola

"Gustavo is a very trustful person with tremendous IT skills. His achievements on the Motorola Research team (during his MSc.) have been highly recognized by the academic and professional community. He has done his research in Natural Language Processing and Software Engineering fields in an outstanding way. Apart from that, he has demonstrated being a professional highly committed with excellent sense of ownership. Definitely, I do recommend Gustavo for any IT project (either academic or professional)."

— **Clelio Souza**, *Mid Software Engineer and Master Researcher, CIn / Motorola*, worked directly with Gustavo Limaverde at CIn-UFPE/Motorola

"Gustavo Limaverde Cabral is a very efficient and pro-active co-worker."

— **Paulo Henrique Leal**, *Software Engineer, Motorola Project / CIn / Universidade Federal de Pernambuco*, worked directly with Gustavo Limaverde at CIn-UFPE/Motorola

[Contact Gustavo Limaverde on LinkedIn](#)