



Thunder Works LCC.
Hercilio de Aquino Street, number 247
Florianópolis – Brazil
ZIP Code 88085-470

Consultant Profile

Tiago Stein D'Agostini

Competences:

- Software Engineering
- Static Metaprogramming
- MetaProgrammed Framework
- Software Component Development
- Aspect Oriented Programming
- Object Oriented Programming and other Programming paradigms
- Embedded Operatign Systems Development
- High Performance Systems
- Compilers Development
- Computer Graphics
- Highly Skilled C++ programmer
- Computer Games Development
- Physics Simulation
- Graphic subsystems
- Good Unix Knowledge
- Communicatiosn and Telephony systems Development

Professional Experience:

E3C Technologies - From May 2007 onwards: as C++ developer and Software Engineer.

Khomp Indústria e Comércio - From March 2006 to May 2007:
Development of software for telephony systems, PBX, Asterisk, and hardware integration
Software PBX
Voice Over IP

Worked on *Hoplon Infotainment* for 23 months – From February 2004 to January 2006:
Development of High performance Systems in C++.
Recoding (full porting) of applications from Windows into Linux and IBM S390.
Formal representation and construction of mathematical models for real-time simulation systems. Development and Mantainance of secondary simulation subsystems in Java and Python languages. Interfacing remote and local development teams of developers.

Development of software:

MoniTerra : Application of a methodology of management of hydric resources developed on *Centro de Ciências Agrárias da Universidade Federal de Santa Catarina*. Software in use on

several countries to manage Hydric systems on agricultural lands.

One and a half year of experience on *Motorola Tecnological Capacitation Program* – Motorola.

Academic:

- April 2003 to August 2005 - Master on Computer Sciences on Software Engineering applied in Operating Systems.

Master degree by Federal University of Santa Catarina, Brazil.

Advisor: Prof Dr. Antônio Augusto de Medeiros Fröelich

Dissertation: *Adaptadores de Cenário como Técnica de Programação Orientada a Aspectos* (Scenario Adapters as Technique of Aspect Oriented Programming)

-2005 - Participated on 2 evaluation boards of final graduation works at the Federal University of Santa Catarina.

-2004 – Experience period as a lecturer of *Operating Systems* at the Federal University of Santa Catarina.

-November 2003 to February de 2004- Three(3) months of research as guest researcher at Distributed Systems and Operating Sytems Department on University Friedrich Alexander in Erlangen, Germany.

-1999 to 2003 - Baschelor degree on Computer Science on Federal University of Santa Catarina. Final work: Application Oriented Graphical Systems Advisor: Prof Dr. Aldo von Wangenheim).

-Member of Software/Hardware Integration. Federal University of Santa Catarina from 2000 to 2006.

Including Cooperation with Medical Software Development Group from Prof Dr. Aldo von Wangenheim, as well as Operating Systems Development Group from Professor Antônio A. Froëhlich.

Publications:

Bridging AOP to SMP: turning GCC into a metalanguage preprocessor, In: Proceedings of the 20th Annual ACM Symposium on Applied Computing, pages 1563-1564, Santa Fe, U.S.A., 2005.

Portabilidade em Sistemas Operacionais Baseados em Componentes de Software, In: Proceedings of the First Brazilian Workshop on Operating System, pages 1466-1475, Salvador, Brazil, 2004.