

# Julio Viegas

Software and Systems Architect/Java Instructor

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## Summary

I've been working for the past 15 years with computer technologies and related fields, focusing on software development, training, mentoring/coaching, consulting and support.

My daily basis job demands to apply software engineer techniques, including (but not limited to) Java, JEE, methodologies (Agile, XP, UP and its variations, OOSD/SunTone) and "pragmatic" frameworks/technologies. In particular, I have strong experience in software architecture and design. Also, I'm always keeping my skills up-to-date to latest relevant technologies, and owning the majority of Java/JEE Sun certifications (see below) is a way to prove it besides my work experience.

When not working, I'm almost always reading about software development subject, or getting in touch with users groups (via conferences or mail lists).

Also, I have skills with electronic circuitry (both analog and digital) and firmware development; I've developed solutions with Intel 8051 platform, Atmel and now with Renesas (Mitsubishi + Hitachi) M16C MCUs (microcontroller units).

I can read, write, listen and talk in English and Portuguese (my mother tongue). I have some expertise in Spanish, specially in read, listen and speak.

## Specialties

OO analysis & programming; methodologies; GOF & JEE design patterns; AOP; SQL; UML & E/R modeling; ORM; software architecture & design; software test (unit, non functional & functional, acceptance); major frameworks (Spring, Hibernate, Struts); expertise in Web/AJAX technologies; SCM; ALM; application servers (WebSphere 6, JBoss 4); databases (MySQL 5, Postgres 7, Oracle 10g); languages (Java, Javascript, Python, UNIX shell, VB6); digital & analog electronics, firmware development (8051, M16C).

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## Experience

### **Software & Systems Architect at Summa Technologies**

March 2011 - Present (5 months)

- Working inside SERASA Experian to help their technology team deploy some important parts of their ALM & SCM, like component management, component repository, code review, test procedures...

- Developed various PoC and templates for demanded technologies, as Web Services with Security(WSS, certificates, custom security), JSF 2.0, Spring Framework...
- Developed training material and teach both management/technical teams on ALM and SCM best practices using Java and Open Source Software.
- Developed a high-performance asynchronous socket client connector for SERASA's Mainframe proprietary protocol.
- Developed a high performance string-to-object(back and forth) using parts of XStream and Spring Batch.
- Developed a standard connector to access SERASA's PKI services using Web Services with double certificate authentication.
- Giving overall guidance & mentoring on technology strategy to SERASA's technical staff.

### **Java Instructor at Globalcode**

April 2009 - Present (2 years 4 months)

- Teaching Java based course offerings(JSE, JEE, pragmatic technologies and related subjects);
- I spoke in various Globalcode promoted events and fast courses;  
*1 recommendation available upon request*

### **Software & Systems Architect at Spc Brasil**

March 2008 - July 2010 (2 years 5 months)

- Setting up environment for Enterprise Java development.
- Mentoring and support on Enterprise Java, OO Analysis/Development/Process & Method, Systems.
- SCM with Subversion, CruiseControl, Apache Ant, Shell and Linux. Built a light signaling circuitry(relay, parallel port, lamps, ...) for showing build and system status.
- SQA: testing for software performance and scalability with JMeter. Functional testing automation with Selenium. Ensuring stability with JDK tools: jconsole, jps, jstat, jinfo, jstack. Gathering metrics and publishing reports on performance.
- ERLang-like support in Java for high parallel and asynchronous processing, achieving highest possible performance for core features.

- My team delivered in less than 9 months a new Credit Score Software based on Java/JEE, with Hibernate 3.2, Spring 2.5, Spring Security, Eclipse, Spring MVC, Prototype, SiteMesh, Jakarta Commons, Custom Taglibs, EhCache, JMX, Spring Test + TestNG, Firebug, Jetty.

### **Sun Microsystems Certified Java Instructor at Fontoura Education**

January 2008 - April 2009 (1 year 4 months)

- Lecturing Official Sun Microsystems Java courses, as OO-226, SL-110, SL-275, SL-285 and so on;
- Software engineer consulting, mentoring and support services.

### **Software Architect at TNT Express**

October 2004 - February 2008 (3 years 5 months)

- Roles in LMS(Logistics Management System) development: architect, design,software infrastructure maintainer, environment and configuration management tasks. Leveraging on existing market-proven frameworks and tools: Java/JEE, Spring, Struts, Hibernate, Jakarta Commons, Jasperreports, Velocity, Quartz, AJAX, Ant, Eclipse, Enterprise Architect, JBoss, OC4J;
- Defining, developing and configuring integration of LMS with legacy systems. Using Java Threads and JMS with Oracle Advanced Queue provider;
- Support LMS test environment infrastructure with TestNG;
- Defining and developing security and auditing capabilities of LMS and others NFRs(Non-Functional Requirements);
- Mentoring and supporting development team on Java/JEE, Object Oriented techniques(patterns, guides), various frameworks, methodologies;
- Teaching WareIT OO analysis and ORM courses to IT team(back when I was WareIT consultant).  
*1 recommendation available upon request*

### **Partner and Software Engineer at WareIT - Information Technology**

September 2004 - December 2006 (2 years 4 months)

Trainer, developer, mentor and supporter/consultant, working mainly with Java/JEE and OO related technologies.

### **Software Engineer at UNISINOS University**

September 2002 - December 2004 (2 years 4 months)

- Developing AVA, a virtual learning environment. The tools are basically comprised of Eclipse, Java/JEE, Tomcat, Postgres and CVS;

- Developing Peoplesoft 8 ERP customizations and multiplying my Peoplesoft tools knowledge over team staff;

- Training and mentoring IT members in web technologies with Java/JEE;

*2 recommendations available upon request*

### **Trainer, Consultant and Software Engineer at TargetTrust Training**

October 2001 - December 2004 (3 years 3 months)

- Trainer in a variety of Java, free databases(mysql, postgres) and web technologies;

- Course material(book, slides, lab files & setup) author for Javascript, EJB2, Pragmatic J2EE courses;

- Developed a internal mailing with some CRM capabilities and site course scheduling system;

- Software development consulting services.

### **Teacher of Technology Courses and Support Services at GENSA School**

March 1998 - December 2004 (6 years 10 months)

- Teaching C, Sockets, ASP, PHP, MySQL programming and web design with Adobe Photoshop and Flash;

- Supporting and laboratory management;

- Novell Netware and Windows NT sysadmin;

- Webmaster.

### **Software Engineer at UNALE/Itec.Legis - Technology applied to Government Legislative State Houses**

July 1999 - October 2001 (2 years 4 months)

- Developing web software system for brazilian government legislative state houses, which covers various regimental processes. Using Microsoft ASP and MySQL technologies;

- Providing system training to IT departments at local state legislative houses;

- Deploying the system at local state legislative houses.

### **Web Developer at CTZ Consulting**

March 1998 - June 1999 (1 year 4 months)

Developing Microsoft ASP and SQL Server based systems for various customers, as UTC/Spring Carrier(Supplier Online), State's legislative house(various regimental systems), PROCERGS.

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## Education

### **Universidade do Sul de Santa Catarina**

Technology degree in web design and software development, Computer Science, 2005 - 2007

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## Honors and Awards

- SCDJWS 5 - Sun Certified Developer for Java Web Services 5 - Nov/2008;
- Train The Trainer(T3) - Sun Microsystems Java Trainers Course - Dec/2007;
- SCEA 5 - Sun Certified Enterprise Architect for JEE 5 - Dec/2007;
- SCDJWS 1.4 - Sun Certified Developer for Java Web Services - Jun/2007;
- SCBCD 5 - Sun Certified Business Component Developer for JEE 5 - Jan/2007;
- SCWCD 1.4 - Sun Certified Web Component Developer for J2EE 1.4 - Jun/2006;
- SCJP 5 - Sun Certified Java Programmer for Java 1.5 - Oct/2005;
- SCJA - Sun Certified Java Associate - Sept/2005;
- SCEA - Sun Certified Enterprise Architect for J2EE - May/2005;
- RSJUG Speaker: EJB; Tests with J2EE; AJAX with J2EE; Jakarta Commons overview; GWT;
- XPRS Speaker: TDD(Test Driven Development);
- Renesas workshop on M16C MCU family - Aug/2007;
- PeopleSoft ERP: PeopleTools I & II, Query Basic/Adv, PeopleCode, Integration, SQR, NVision at PeopleSoft, São Paulo/SP - Oct/2003

## Interests

Software engineering, software development, software architecture, OO analysis, UP, RUP, agile methodologies, extreme programming, OO design, unit test, functional test, systemic qualities test, acceptance test, SCM, deploy environment, enterprise development, embedded development, mentoring, coaching, teaching, Java, JEE, AOP, GOF, JEE patterns, SQL, E/R, ORM, AJAX, Spring framework, Hibernate, Google Web Toolkit, Ruby on Rails, prototype, Ant, Emma, scheduling/batch processing, OC4J, Oracle application server, Websphere application server, JBoss application server, Tomcat, Apache httpd, Oracle database, Oracle advanced queue, MySQL, Postgres, C, Python, Shell, electronics, firmware development, Intel 8051, software user groups, Renesas M16C, Peoplesoft ERP, Apple technologies, play tennis, yoga, fitness, read, writing, hiking, running, bike, pets.

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## 4 people have recommended Julio

"Julio Viegas é um profissional senior altamente capacitado. Possui um know-how tecnológico imenso, conhece diferentes arquiteturas de software e sabe sabiamente qual aplicá-las para determinados tipos de problemas. É um dos poucos profissionais no Brasil que conhece profundamente o Spring framework, além de conhecer quase toda a plataforma Java. Está sempre presente em comunidades de desenvolvimento de software, em particular do CEJUG, onde é colaborador ativo do grupo. Enfim, trabalhar com o Julio em uma empresa significa retorno com qualidade e aumento de conhecimento das pessoas que o rodeiam."

— **Rafael Carneiro**, *JUG Leader, CEJUG*, worked directly with Julio at Globalcode

"Julio is one of the best analytical brains that I have ever worked. He is an innovative thinker and always provides a workable and effective solution with his vast knowledge in software area."

— **Roberto Metz**, *Java Developer, Expresso Mercúrio*, worked with Julio at TNT Express

"Julio is one of the most talented software architects I have ever worked with. His deep knowledge of all software architecture layers, together with his pragmatic point of view, can guarantee the best choices for every software development project. I would ever recommend Julio to Java and Agile-related job applications, as I already did in the past!"

— **Fabiano Franz**, *Software Architect, UNISINOS*, worked directly with Julio at UNISINOS University

"A pragmatic, thoughtful and restless developer."

— **Fernando Massen**, *Software developer, Unisinos*, worked directly with Julio at UNISINOS University

[Contact Julio on LinkedIn](#)