PEDRO A. A. FURLANETTO

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EDUCATION

Post-Graduate - Distributed Systems Development and management, e-IS Expert Program - Universidade Federal do Rio de Janeiro (UFRJ) - Núcleo de Computação Eletrônica (NCE) - 2007
Graduation - Universidade Estácio de Sá - System Analisys - 2005
Graduation - Two years of Engineering at PUC-Rio - 1996
High school with computing technical course - Instituto de Tecnologia ORT – 1995
Various Coursera's courses

OPEN SOURCE and EVENTS

2014

- WebIDL parser and some day stub generator for altjs languages - github repo
- Just started a Slick performance comparison github repo

2013

- Scala Days 2013 - link

2011

- Scalathon 2011 - invited presenter for Scaladoc Hacking and Architecture
- Corrected threaded logging of SBT Android plugin

2010

- Committer to Scaladoc2 - Scala's standard documentation tool (equivalent to Javadoc).
- Helioscope - Little Solr Editor - Scala and Apache Solr.
- Scala Days 2010 Conference - École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.

Activities since 04/2013

- At Coursera: FP in Scala, Reactive programming in Scala, Analisys of Algorithms and Machine Learning
- Attempts to learn abstract algebra, statistics, formal type theory
- Reviewing the book FP in Scala
- Slick demo github repo
- WebIDL parser and some day stub generator for altjs languages - github repo
- NICTA's FP Course github repo (you will have to search harder to find the answers)
- Hosting Rio Scala Enthusiats

EXPERIENCE

RGFM - 09/2012 - 04/2013
SOFTWARE ENGINEER & FOUNDING PARTNER

- Music classification and distribution platform - full development of web frontend, backend and client applications featuring licencing ownership cryptocraphically ensured - Scala, ScalaFX, Playframework, Typesafe Slick.

CONSULTING - 10/2011 - 07/2012

- Consultant, Orocast LLC - Scala and Android
- VerbalizeIt - Human Translation through Mobile Phones. Phonegap app running under IPhone and Android phones - Apple App Store link

IDEAIS - 02/2005 - 07/2011
SENIOR SOFTWARE ENGINEER

- Team co-leader - project Catalogo Shoptime.com.br (major brazilian e-commerce site) customized the CMS Catalogo to meet Shoptime's requirements. Setup the deploy of the new site. Case at Ideais' website
- Team co-leader - project CMS Catalogo - e-commerce CMS system with special features for search engine integration - to the client Americanas.com.br (major brazilian e-commerce site). Provided critical contributions to the inception and implementation the new architecture resulting in a great reduction in the effort taken to create and modify and maintain new web sites: from weeks to days; and setup new pages and changes in minutes - Spring, Struts2, JSF e Apache Solr. Case at Ideais' website
- New Igshopping.com.br front-end and update of the backend, rebuilt the indexing engine and client integration systems. Improved the setting of new clients up from several days to few hours. Migrated the SQL Server database to Oracle featuring a new data model - SQL, Struts2, Freemarker, Javascript. Case at Ideais' website
- Rewrote Pinuts' (www.pinuts.com.br) search engine implementation - Solr, Spring, Hibernate.
- Igshopping.com.br - Built the backend system featuring an client integration system - each client provides products information using its own particular data format. Built the product search engine - Struts2, Freemarker, Hibernate, SQL Server, Oracle e Apache Solr, Javascript.
- Gathered the requirements for the brokering web portal Invest Trader for Souza Barros brokering company.
- Gathered the requirements, designed and managed the developers team in the writing of a training scheduling and skills assessment system for the Justiça Federal RJ (a major government institution) - Webwork2, Hibernate, JSP, Javacript.
- Built the Integration between cellphone credits sale from Amerinas.com with the cellphone provider - BEA Weblogic, BEA Integration 8.1 e JSP.

DELAGE CONSULTORIA & SISTEMAS 08/2004 - 11/2005
SENIOR SOFTWARE ENGINEER

- Designed and constructed a framework for easily integrate legacy and new software systems. Based in XML and XSL transformations and querying using XSD and XPATH. Also using UML, VB.net and SQL Server.
- Maintained the Disbby logistics and ERP system - VB and SQL Server.

COMUNIQUE-SE S/A 02/2004 – 07/2004

- Accounting and selling system, including payment bill emission, salesmen commissioning and bank integration. ASP/SQL Server.

INVENT S/A 04/2003 – 12/2003
SOFTWARE ENGINEER

- Ported the major brazillian website Viaglobal (Via Rio, Via Sampa etc) from ASP/Windows/SQL Server to PHP/Linux/MySQL featuring abstraction from UI design from the rest of the system using XML and XSL.

DELAGE CONSULTORIA & SISTEMAS 05/2002 – 04/2003
SOFTWARE ENGINEER

- Analysis and development of management and evaluation system based on a proprietary mathematical model of statitics of political actions - PHP and MySql and lots of calculus.
- Designed and wrote the bookkeeping system of restricted medications and statistics analysis backend for pharmacies - C++, ASP, SQL Server.

PRZ.COM LTDA 11/2001 – 05/2002

- Implemented and integrated a payment system for the PRZ.NET website.
- Emaling system with email opening and link cliking accounting. PHP/Windows/SQL Server.
- Instant messager client/server written in Java.

OCARTEIRO.COM CARTÕES VIRTUAIS (virtual cards) 01/2001 – 11/2001

- Inception and construction of website's architecture and implementation. PHP, JS, DHTML and MySQL
- Inception and implementation of new products related to virtual cards. Creation of printed cards, invitation card and custom user built cards created with drag-n-drop of icons and dynamic image generation. Also theirs managing/CMS systems.
- Integration with the SmartPag payment system as the payment method of the above products.
- Linux, MySql and Apache sysops

CURRENT INTERESTS
- Machine Learning
- Programming languages theory
- Functional programming
- Statistics
- Discrete math
- Typesafe plataform
- Haskell
- French language