Luiz Felipe Machado da Silva

E-Mail: lfmachadodasilva@gmail.com Skype: lfmachadodasilva@outlook.com
Linkedin: linkedin.com/in/lfmachadodasilva Github: github.com/lfmachadodasilva
Mobile: +351 913 913 367 Address: Av. José da Silva Soares - Porto/Portugal
Brazilian and Portuguese citizenship

Summary

A pragmatic and pro-active backend C#, .NET framework and dotnet core developer with over 10 years professional experience. Thrives on technical challenges, very technology-curious and self-motivated to continue picking up new skills. Enthusiastic for agile methodologies, architecture and performance. Pluralsight subscriber and general spare-time coder.

Employment History

Company: Altran (www.altran.com)

Project: Philips MultiOne

Position: Senior Consultant Engineer (Full-Time), July 2017 until now
Advanced Consultant Engineer (Full-Time), November 2016 - June 2018
The MultiOne project consists of developing tools for factories to configure all of Philips Lighting's programmable driver portfolio. More information about MultiOne can be found at: www.philips.com/multione. At Altran I have been working as a C# .Net software engineer within the outsourced project from Philips Lighting in partnership with Altran Netherlands.

Key Technologies: C#, .NET 4.6.1, dotnet core 2.0, LINQ, Web API, Winforms, WPF, NUnit (unit-test), Resharper, SQLite, Microsoft SQL Server, Specflow (automatic tests), TestLink (manual test), Sonar (code quality), SVN, Jira, Scrum/Kanban, Balsamiq and Jenkins (CI - continuous integration).

Highlights:
- Responsible/Leader Portugal team Leader.
- Improve and implementation of a new software architecture.
- Maintenance and implementation of new features.
- Migration from Winform/WPF features to web.
- Organizer of TechTalk/BrownBags in the company to show new ideas.

Company: Tecgraf (www.tecgraf.puc-rio.br)

The Tecgraf Institute of Technical-Scientific Software Development of PUC-Rio (Tecgraf/PUC-Rio) stands out in the national and international scenario by developing innovations on computer systems applied to all areas of the petroleum production chain, mostly in cooperation with Petrobras. These innovations are based, predominantly, on researches conducted in partnership with the Academic Departments of PUC-Rio.

Project: PUMA

Position: Lead Software Developer (Full-Time), May 2016 - October 2016
PUMA is a systems for logistic planning control and monitoring of oil supplies based on stock control; oil allocation in refineries; selection of logistic infrastructure projects to be implemented. Planning and monitoring of logistic network, from starting material extraction, going through processing, to the distribution of end products in consumer markets.

Key Technologies: C#, .NET 4/4.5, LINQ, ASP.NET MVC, Winforms, Oracle, Entity Framework, Ninject (dependency injection), NUnit (unit-test), SOAP, WSDL, Git, Jenkins (CI - continuous integration), Jira and Scrum/Kanban.

Responsible for:
- Understanding the customer needs to automate recurrent manual processes.
- Developed of components using Winform to increase team productivity.
- Using Entity framework to access Oracle database.
- Developed of a complex MOCK system to help unit test.
- Developed routines to automate the engineering process.
- Web service using WSDL/SOAP to communicate with SAP service.
- Improve the architecture using the book of Scott Millett (Professional ASP.NET Design Patterns) as reference.
- Migration from desktop app to web.

Project: Anflex

Position: Intern (Part-Time), 2008 - 2011
Software Developer (Full-Time), 2011 - 2015
Lead Software Developer (Full-Time), 2015 - April 2016

Systems for projects of risers, mooring for ships, and floating platforms. Tools for establishing the dimensions and configuration of a riser, so it can endure unfavorable environmental actions. Nonlinear analysis, static and dynamic, deterministic and random, through finite elements method, models for flexible rises, (such as rigid in catenary and mixed), mooring lines and TPL platform tendons. Graphic interfaces for data generation of numerical processing and results visualization.

Key Technologies: C, C++, STL, Lua, IUP, QT, OpenGL, GLSL, HDF5, SVN, Jira, Kanban.

Personal Project: MyExpenses (github.com/lfmachadodasilva/MyExpenses)

MyExpenses is a concept project to control my personal expenses and study new techniques.

Key Technologies: Web, C#, Dotnet Core, Entity Framework Core, MSTest (unit-test), Microsoft Dependency Injection, DDD, Onion architecture, Git, Kanban, Appveyor (CI - continuous integration) , Codacy (code quality) and Codecov (code coverage).

Education

2007 - 2011, PUC-Rio (Pontifical Catholic University of Rio de Janeiro) (www.puc-rio.br)
Bachelor's degree in Computer Information System

2009 - 2011, PUC-Rio (Pontifical Catholic University of Rio de Janeiro) (www.puc-rio.br)
Teacher Assistant in subject as Programming I (beginning), Programming II (moderate), Advanced Data Structures (advanced) and Computer Graphics in C/C++.

Interests

- Studies in progress: JWT (JSON Web Token) and microservices.
- Fascinated by new technologies such as pebble, raspberry pi and internet of things.
- Interested in keeping up to date on news programming languages and frameworks.
- Enjoy music, films, TV shows and podcasts.