

# Luiz Felipe Machado da Silva

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Mobile: +44 07907042142 Location: New Islington - Manchester  
Brazilian and Portuguese citizenship

## Summary

A pragmatic and pro-active developer that enjoys work with back-end & front-end and have +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 new technologies.

## Employment History

### Company: dunnhumby ([www.dunnhumby.com](http://www.dunnhumby.com))

Focus in Customer Data Science, experts in working with brands, grocery retail, retail pharmacy, and retailer financial services.

**Position: Senior Engineer (Full-Time), November 2018 until now**

#### Project: Promotion Analytics

To plan and execute effective Promotions, retailers must be able to accurately assess past performance and get detailed insight into the impact of each tactic.

#### Project: dhPlatform

Company section for the development of services to be used by the entire company. Currently working with permissions services.

#### Highlights:

- Replace React class components by functional components.
- Pact-tests between services.
- Refactor back-end to use better all services available reducing some request time from ~30 minutes to ~10 seconds.
- Good communication with Product Owner listing all requirement and creating all tasks/stories/epics on Jira.
- Helped dockerize the services and create sandbox to run all services locally using docker.
- Help & guide other developers and graduation students to speed up in the project.

*Key Technologies:* C#, .Net Core, Dapper, PostgreSQL, React, TypeScript, Docker, TeamCity/GitLab, Azure/GCP, Git, Jira, Scrum, Microservices, Prometheus/Kibana

## Company: Altran ([www.altran.com](http://www.altran.com))

### Project: Philips MultiOne

**Position: Senior Consultant Engineer (Full-Time), July 2018 - November 2018**

**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](http://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, Web API, Winforms, WPF, SQLite, Microsoft SQL Server, SVN, Jira, Scrum/Kanban, Jenkins

*Highlights:*

- Responsible/Leader Portugal team.
- 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](http://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, Winforms, Oracle, Entity Framework, Ninject, Git, Jenkins, Jira, Scrum

*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), June 2008 - July 2011**

**Software Developer (Full-Time), August 2011 - April 2015**

**Lead Software Developer (Full-Time), May 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: budget4home ([link](#))

My personal project to control budget for home.

This project started after a google sheets to control my personal finance. Since I love this subject and tech, this project is used to try new stuff. Check my github page (<https://github.com/lfmachadodasilva>) for the variants techs like node, deno, go...

*Key Technologies:* react, bootstrap, github-pages, dotnet, postgres, docker, entityframework, heroku

## Education

2007 - 2011, PUC-Rio (Pontifical Catholic University of Rio de Janeiro) ([www.puc-rio.br](http://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](http://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

- Interested in keeping up to date on news programming languages and frameworks.
- Enjoy music, films, TV shows, podcasts and ps5 owner.