

# PATRICIA BRAGA

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## PROFILE SUMMARY

- As a Fullstack Software Developer, I have more than 15 years of experience in development of Web Applications, working extensively with JavaScript and some of its frameworks (AngularJS, JQuery) besides HTML5 and CSS(plus LESS, SASS) as front-end tools; As back-end tools, I've strong knowledge in Microsoft tools such as C# ASP.Net, .Net Framework (and more recently .Net Core), Web Apis and SQLServer as database. I have considerable experience in software development life cycle, ability to learn things quickly, easy adaptation to new processes, the latest technologies, trends and excellent training..
- Experience in software development life cycle.
- Ability to lead a team
- Quick learning, easy adaptation to new processes, the latest technologies, trends and excellent training
- Speak English (fluent), French (intermediate advanced) and Portuguese (native)

## EDUCATION

|   |                  |
|---|------------------|
| <b>Doctoral Degree in Computational Modeling and Industrial Technology</b><br>Technology Faculty SENAI, Bahia, Brazil | <b>2011-2015</b> |
| <b>Master Degree in Computational Modeling and Industrial Technology</b><br>Technology Faculty SENAI, Bahia, Brazil   | <b>2008-2010</b> |
| <b>Specialization in Systems and Web Applications</b><br>UNIFACS, Bahia, Brazil                                       | <b>2005-2006</b> |
| <b>Bachelor Degree in Social Communication</b><br>UCSal, Bahia, Brazil  | <b>1999-2002</b> |

## TECHNICAL CERTIFICATIONS

- Microsoft Certified Specialist in Developing ASP.NET MVC Web Applications – 70-486 Exam (MC ID:9385318) - July, 2014
- Microsoft Certified Specialist in Programming in HTML5 with JavaScript and CSS3 – 70-480 Exam (MC ID:9385318) - January, 2013
- Microsoft Certified Technology Specialist in Web Applications .NET Framework 4.0 – 70-515 Exam (MC ID:9385318) - September, 2012

## TECHNICAL SKILLS

- **Programming:** C# (Web App. et Windows App.), .Net framework, .Net Core, PHP, JAVA, JSP
- **Frameworks:** .NET Framework , .Net Core, Entity Framework
- **WEB:** ASP.NET, ASP .NET Core, WebAPI, WCF, Javascript, AngularJS, TypeScript, JQuery, HTML5, CSS3, LESS, SASS, Bootstrap, Jasmine
- **Databases:** SQLServer, MySQL, PostGresSQL
- **Concepts:** Design Patterns, Object Oriented Programming, MVC, MVVC, Microservices architecture, UML
- **Softwares:** Visual Studio, Visual Studio Code, Eclipse
- **Other Softwares:** 3D Studio Max, Photoshop, Corel Draw
- **Operational Systems:** Windows

## PROFESSIONAL EXPERIENCE

### lbwave

Sector: IT and telecom;  
Function: .NET developer

**April 2016– present**

### *Some projects accomplished:*

#### **Project: Microservices**

**Description:** Redefine and Implement architecture of the main web application to decouple it into microservices

**Date:** present

#### **Responsibilities:**

- o Architecture definition of the distributed system into microservices.
- o Define and Implementation of each microservice architecture as a model for other microservices.
- o Implement and test communication between the microservices by exchanging notifications.
- o Testing deployment and integration with other integrated applications.

**Technical Environment:** Angular6, Typescript, Javascript, HTML5, CSS3, SASS, Bootstrap, WebApis, C#, .Net Core 2.2, SignalR, SQLServer.

#### **Project: Unity**

**Description:** This is an application web and it was developed to be integrated with a desktop application. This application manages data related to telecom solution.

**Date:** present

#### **Responsibilities:**

- o Maintenance and Implementation of new functionalities (backend and front end) in ASP.NET MVC architecture (C#).

**Technical Environment:** Visual Studio 2015, ASP.NET Framework 4.5, MVC3, WebAPI, C#, SQLServer, JQuery, AngularJs, Javascript, HTML5, CSS3, SASS, Bootstrap.

#### **Project: Spider Cloud**

**Description:** This is an application web related to telecom solutions.

**Date:** 2017

**Responsibilities:**

- o Integrate backend and implement UI functionalities in Angular 5.

**Technical Environment:** Angular5, Typescript, Javascript, HTML5, CSS3, SASS, Bootstrap.

**Project: Corning One**

**Description:** This is an application web related to telecom solutions.

**Date:** 2016

**Responsibilities:**

- o Integrate backend and implement UI functionalities in Angular JS.

**Technical Environment:** JQuery, AngularJs, Javascript, HTML5, CSS3, SASS, Bootstrap.

**Etelesolv**

Sector: IT and telecom;

**November 2015 – February 2016**

Function: Senior .NET developer

***Some projects accomplished:***

**Project: Audit**

**Description:** This application was developed to manage telecom products, inventory and others related to the solution.

**Date:** present

**Responsibilities:**

- o Maintenance and Implementation of new functionalities in ASP.NET MVC architecture (C#).

**Technical Environment:** Visual Studio 2012, ASP.NET Framework 4.5, MVC3, WebAPI, C#, SQLServer, JQuery, Knockout, Javascript.

**Rideau Recognition Solutions  
2015**

**September 2014 – November**

Sector: RH; more than 200 people.

Function: Systems Analyst and Developer

***Some projects accomplished:***

**Project: Backstage Project**

**Description:** This application was developed to manage the recognition products, clients, employees and others related to the solutions.

**Date:** 2015

**Responsibilities:**

- o Migrate old modules in ASP to new modules in ASP.NET MVC architecture (C#).
- o Implement UI components to provide richer and user friendly interfaces to the user, using Angular, JQuery, Bootstrap, CSS components.
- o Test the Interfaces to evaluated usability.

**Technical Environment:** Visual Studio 2015, ASP.NET Framework 4.5, MVC5, C#, SQLServer, JQuery, Javascript, Angular, Bootstrap, CSS3, HTML5.

**Project: Service Awards Project**

**Description:** This application is customized portal to the clients about their awards granted to their employees.

**Date:** 2015

**Responsibilities:**

- o Implement UI components to provide richer and user friendly interfaces to the user, using Angular, JQuery, Bootstrap, CSS components.
- o Test the Interfaces to evaluated usability.

**Technical Environment:** Visual Studio 2015, ASP.NET Framework 4.5, MVC5, C#, SQLServer, JQuery, Javascript, Angular, Bootstrap, CSS3, HTML5.

**Centro Universitário Unijorge**

**April 2011 – June 2014**

Sector: University; more than 200 people.

Function: Teacher in the IT courses Information Systems and Systems Analysis and Development; Researcher in innovation projects.

● **Disciplines:**

- o Oriented Object Analysis;
- o Structured Analysis;
- o Distributed Systems Development using .NET;
- o Software Engineering;

● **Some projects accomplished:**

**Project: ACADPRO**

**Description:** This application was developed to be a centralized questions database of all the disciplines, aiming the construction of exams, in PDF format of IT courses.

**Date:** 08/2012 to present

**Responsibilities:**

- o Analysis and Technical Documentation of the application, which includes project requirements, scope, UML diagrams and ER diagram;
- o Created and/or modified the SQLServer database model and queries that are a part of the data access layer of the application;
- o Used Entity Framework to access the SQLServer DataSource;
- o Used MVC2 as application architecture and DAO/DTO design patterns;
- o Used JQuery routines to create dynamic GUI's to the application;
- o Automated some processes such as the Exams creation by some requirements (level, discipline, subject and others);
- o Programming and Tests execution of the application using ASP.NET Framework 4 (C#)
- o Developed the reports using PDF format (Package Rotativa).

**Technical Environment:** Visual Studio 2010, ASP.NET Framework 4.0, MVC3, C#, SQLServer, JQuery, Javascript, Rotativa package.

**SENAI June 2006 – August-2013**

Sector: Services and Education to the Industry; more than 300 people.

Function: Systems Analyst

**Some projects accomplished:**

**Project: OpenEHR-based pervasive health information system for primary care**

**Description:** Web application to manage electronic health information represented by global standard concepts (OpenEHR standard), aiming share information and allow cooperation among all health professionals, health institutions and others involved in the health care domain. It was developed in C #. NET.

**Date:** 04/2013 à 08/2013

**Responsibilities:**

- o Analysis and technical documentation of the application, including project requirements, scope, UML diagrams and ER diagrams;
- o Create and / or changing the model MySQL database and queries that are part of the data access layer of the application;
- o Creation of dynamic graphical interfaces with Net 4.0;
- o Develop two modules: front (user) and the Data Manager Module (admin);
- o Manage ADO.NET objects such as Data Reader, Dataset and Data Adapter for a coherent source MySQL embedded data access;
- o Implementation of Export to Excel Data Manager module;
- o Used to create C # classes, using MVC2 architecture;
- o Programming o Tests and execution of the application using C #. NET Framework 4.0 and MySQL

**Environment technique:** Visual Studio 2010, .NET Framework 4, ASP.NET, C#, SharePoint, JavaScript, JQuery.

**Project: PMO – Project Management Office**

**Description:** Web Application to support the production flow of the company. All the projects are managed by many users, with different permission levels, from different company departments. In this project was used C#.NET et SharePoint.

**Date:** 10/2012 to 04/2013

**Responsibilities:**

- o Evaluate the SharePoint architecture, identifying the events calling (present in different javascripts files) from the components in the ribbons;
- o Customize interfaces in the SharePoint application, creating new functions in the optimized ribbons to integrate other aspx pages;
- o Develop integration between the custom components in the ribbons and other pages outside the SharePoint Scope.
- o Analyzed, programmed and tested the corporate application framework on top of .NET Framework 4 and SharePoint;

**Technical Environment:** Visual Studio 2010, .NET Framework 4, ASP.NET, C#, SharePoint, JavaScript, JQuery.

**Project: PPG.NET**

**Description:** Application to evaluate the scientific production in the academic institutions. It was developed to an institution responsible for the promotion of researches. The application aims to support the strategic decision making about the financial help intended to research.

**Date:** 06/2009 à 06/ 2010

**Responsibilities:**

- o Analysis and Technical Documentation of the application, which includes project requirements, scope, UML diagrams and ER diagram;
- o Created and/or modified the MySQL database model and queries that are a part of the data access layer of the application;
- o Created dynamic GUIs with .Net 3.5 Windows Forms;
- o Developed the two modules: Front module (user) and Data Manager Module (admin);
- o Used ADO.NET objects such as Data Reader, Dataset and Data Adapter, for consistent access to MySQL embedded data sources;
- o Implemented an Export to Excel feature Data Manager Module;
- o Implemented a Print feature Data Manager Module;
- o Implemented a Backup and Restore feature to the Database in the Data Manager Module;
- o Used C# for creating classes, using architecture 3-tiers (DAO/DTO);

- o Programming and Tests execution the application, using C#.NET Framework 3.5 and MySQL.

**Environment technique:** Visual Studio 2010, .NET Framework 4, C#, Windows Forms, AstaUML, MySQL, ADO.NET.

**Project: WinBox RadioMax Brasil**

**Description:** Desktop Application customized with a configuration wizard, for boards that use the operating system MikroTik RouterOS. The purpose of this application is to facilitate the network configuration of WDC tools, through a simplified interface.

**Date:** 07/2008 à 09/2008

**Responsibilities:**

- o Analysis and Technical Documentation of the application, which includes project requirements, scope, UML diagrams and ER diagram;
- o Implemented the communication system between the application and the operating system RouterOS MicroTik;
- o Created dynamic GUIs with .Net 3.5 Windows Forms;
- o Analysis, Programming and Tests execution of the application using C#. NET Framework 3.5;

**Technical Environment:** Visual Studio 2005, .NET Framework 3.5, Windows Forms, C#, AstaUML.

**Project: SIBR**

**Description:** Integrated management system of institutions of recyclables. The project was made with two modules, built in JSP / Java and designed with a 3-tier object-oriented approach using UML. PostGres was used as database and language used was Java / JSP. Reports were generated using JasperReports.

**Date:** 04/2008 à 09/2009

**Responsibilities:**

- o Analysis and Technical Documentation of the application, which includes project requirements, scope, UML diagrams and ER diagram;
- o Evaluated the architecture of the Integration between the Portal and the Administration Content Management Modules;
- o Developed and integrated the two modules: Portal and Administration Modules;
- o Migrate data from other databases (SQLServer) to the centralized database (PostGresSQL) using some routines to normalize the data;
- o Created and/or modified the PostGreSQL database model and queries that are a part of the data access layer of the application;
- o Programming and Tests execution of the application using JSP / Java.
- o Develop the PDF reports using the JasperReports;
- o Implemented an Export to Excel feature to generate Excel reports;
- o Automated some processes like the dynamic content expiration in the Portal, e-mails dispatches from some essential processes, and others.

**Technical Environment:** Eclipse, JAVA, JSP, AstaUML, PostGresSQL, JasperReports.

**Project: AVAS**

**Description:** Integrated Virtual Learning Environment. The system synchronizes the data of multiple environments with the centralized database. The application has been designed using OO PHP, MySQL and Yii framework.

**Date:** 05/2012 to present

**Responsibilities:**

- o Programming and Test the application which parameterizes the integrated environments;

**Technical Environment:** Aptana, PHP, Yii Framework, MySQL, javascript, JQuery.

**Project: Sisgati**

**Description:** The system was developed to manage the internal demands of the office. This system centralizes the requests of the company's clients about their projects.

**Date:** 02/2007 à 08/2007

**Responsibilities:**

- o Analysis and Technical Documentation of the application, which includes project requirements, scope, UML diagrams and ER diagram;
- o Created and/or modified the MySQL database model and queries that are a part of the data access layer of the application;
- o Programming and Tests execution of the application using PHP;
- o Develop the reports using Excel format;
- o Automated some processes like the demands status update if it isn't finished in time, e-mails dispatches from some essential processes, and others;
- o Developed users authorization access workflow;
- o Developed a process workflow panel to allow the user to follow your demands.

**Environment technique:** Aptana, PHP, javascript, JQuery, MySQL.

- And others.

**Discover Brazil****April 2003 – April 2005**

Sector: Tourism; less than 15 people.

Function: Systems Developer

***Some projects accomplished:*****Project: Discover Brazil**

**Description:** Web Application to sell the tour to sell travel packages for business.

**Date:** 04/2003 à 04/2005

**Responsibilities:**

- o Programming the main system web using PHP et MySQL;
- o Interface Design;

**Technical Environment:** PHP, MySQL, Javascript