JOAO **GARCIA**

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Summary

Senior Software Engineer with 8 years in analysis, design, development, testing and implementation of various Internet-based applications. Well versed in the .NET/C# framework. Strong design principles.

Highlights

- Development Process
- Unit Testing
- SOLID architecture principles
- Agile/Scrum
- Mobile App Testing

- Big Data with MongoDB and Elastic Search
- Azure
- Systems Administration
- Project Management
- Service and quality mindset

Experience

LUDOPOLI
Senior Software Engineer

11/2016 to Current

Client Website: Worked with a team of developers to upgrade a client's website, implemented a new architecture using ASP.NET MVC with Razor view engine, making use of the new capabilities of ASP.NET Core, namely: ViewComponents and TagHelpers. The website uses the Flowli WebAPI developed in the previous project. Also, Implemented an Elastic Search client that enables users to search the CMS documents through a custom search page.

02/2016 to 11/2016

Flowli CMS: Together with a team of developers, performed a restructure of the old CMS version. Created a modular architecture using an ASP.NET Core web API and MongoDB. Developed a Typescript API client to be used in a Web app.

The web app was completely redone from scratch, using backbone and marionette JS with Typescript.

ANGRY VENTURES
Software Architect

06/2017 to Current

Event Managing Platform: Worked with a team of developers to create a single page app using Angular 2. This app was created to replace an MS ACCESS process. It enables staff members of a company to create Events and then invite users based on their preferences. The app communicates with an ASP.NET Core web API that uses a MongoDB database.

It also uses Amazon API to send SMS to its users.

11/2016 to Current

Online Store: Together with a front-end developer, configured an online store based on WordPress and developed PHP scripts to integrate it with a BackOffice developed from scratch in Angular 2, this app communicates with an ASP.NET web API to process the payments and store the orders in an MSSQL database.

Implemented a payment processor using Unicre and SIBS APIs (Portuguese payment companies) and developed a solution to integrate orders data into the client's BackOffice.

06/2016 to Current

Book Reservation Platform: Worked with a front-end developer to Implemented a solution from scratch that allows parents to reserve school books. Worked in a backend of an Angular 2 single page app, this app communicates with a web API developed in ASP.NET to obtain the books data and to perform the reservations. The books are stored in excel files, to import them to an MSSQL database, an excel parser was developed as a windows service.

CELFINET

Technical Lead Software Engineer   **06/2014 to 02/2016**
Vismon Observer - Core Engine: Worked with a team of developers to create a Big Data solution to leverage the data processing capabilities and flexibility of the previous one. It was developed using a Microservices architecture with dependency injection in order to be scalable and flexible. Implemented the *pipes and filters* pattern with RabbitMQ in C#. Used ElasticSearch + Kibana for monitoring the whole system.

Software Engineer   **01/2014 to 06/2014**
Vismon Observer - Restructuring: Network drive test processing solution.
Worked with a team of developers to restructure an existent Monolithic desktop application into an ASP.NET MVC Web application with the following structure:

DAL-Created a new one reusing the SQL queries with ADO.NET
Business Layer-Built a new layer of abstraction to handle business logic separately
Presentation Layer-Integrated in a Modular ASP.NET MVC Web framework, developed in-house, each UI Module is installed as a NuGet package and injected via MEF in runtime. Used JavaScript, HTML 5, CSS 3 and the Razor view Engine.

Software Engineer   **06/2012 to 01/2014**
Celreport- CRM application that uses smartphones for clients to report network issues.
Involved in all areas of the project, from gathering customer requirements, to create specifications with the Product Owner, to develop new features and maintaining the application Backoffice. Application structure:
DAL-Entity Framework and SQL Server
Business Layer-REST web services, consumed by the mobile application
Presentation Layer-ASP.NET, HTML, JavaScript and CSS

Intern   **08/2011 to 05/2012**
Vismon Intelligence - Network Performance tool that statistically monitors information collected directly from the main network elements.
Participated in the full life cycle of application, developed with layered architecture:
DAL-Entity Framework and SQL Server
Business Layer-WCF Services using a XML Schema
Presentation Layer-Silverlight using MVVM design pattern.
Involved in the development of all application layers and created Unit Tests for DAL and Business.

Education

Master of Science : **Electronics and Computer Engineering**   **2011**

FCT - UNL   Monte de Caparica, Almada, Portugal

Coursework emphasis on Programming, Electronics, Robotics and Telecommunications

Certifications

Microsoft MCSD: Web Applications

Languages

Portuguese, English

Technical Skills

Skills

C#, ASP.NET MVC, ASP.NET Core, HTML 5, JavaScript, CSS

Angular 2, BackboneJS, MarionetteJS

Entity Framework, LINQ, WPF, SQL, MongoDB, Elastic Search

Visual Studio, NuGet, Windows Server, IIS, TFS, GIT, CI