Alvaro Sandavol



**Sr Full Stack [.NET/React] Developer**

**Professional Summary**

* **.Net Developer with over 11 years of experience in software development** using technologies such as **ASP.NET, ASP.NET MVC, ASP.NET Web forms, C#, VB.net, React JS,**
* Angular 8, HTMLS, CSS3, Bootstrap. JavaScript, j Query, Oracle, SQL Server, MYSQL& Agile Methodologies.
* Experience **using Node jS. NPM manager, Angular CLI and React + Redox t**o create apps
* Experience integrating **banks .Net API'S with WESTERN UNION, RIA and MONEYGRAM**
* Experienced in REST API design, development and deployment using.NET core and Microsoft Azure
* Experienced in client-side programming using **React JS, Angular, HTML5, CSS3. AJAX. J Query and Responsive web design using Bootstrap and Material Design**
* Experienced working with .**NET features like Async Programming Model, Dynamics, Generics, etc.**
* Experienced in data modeling using **MariaDB, MySQL, PostgreSQL, and SQL server.**
* Experience in Object oriented programming using design patterns **: Singleton, Proxy, Adapter, MVC, Factory, etc.**
* Experience working with UML diagrams (Use case, class diagrams, sequence diagram, activity diagram, etc.
* Proficient to create **Web applications using C#, LINQ, Entity Framework and React**
* Proficient in server - side development using **ASP.net Core, WebApi, Bact kground Services, MVC ASP.Net, and Web forms.**
* Proficient to create stored procedures, Trigger, Cursors, Functions, Views, Partitioning and Indexing in SQL Server
* Problem Solver, passionate for the new web technologies and mobile development that helps your company to achieve your goals.
* Experience in working with different object-oriented programming techniques, Microsoft design patterns like **Model View Control (MVC), Model View View Model Patterns (MVVM), Microsoft View Patterns (MVP) and Web Services, and Data Transfer Objects (DTO).**
* State Management related controls in .NET such as Grid View, Details View, Repeaters and other ASP.NET Server Controls.
* Experience in writing Spec Flows for unit testing for Restful services.
* Extensive database designing and programming skills using SQL Server 2000/2005/2008, XML data source, RDBMS and MS Access.
* Hands on experience in Creating advanced UI layout, polishing the UI with styles, templates.
* Experience in developing n-tier Web Applications.
* Have knowledge related to jquery and JSON for the retrieval of data.

**TECHNICAL SKILS &TOOLS:**

|  |  |
| --- | --- |
| **Programming** | C#, ASP.NET , Javascript, JQuery REST, .NET , SQL Server, WCF,.NET MVC , Web API, SSR, LINQ, Signal R, HTML5, JQUERY |
| **Web Technologies** | ASP.NET/NET CORE, MVC/NETCORE , NET CORE & Web Forms, ANGULAR 8, REACT JS |
| **Database** | SQL Server 2008-2019, PostgreSQL, MariaDB, MySQL, Oracle, Cosmos DB, Mongo DB, AzureDocumentDB |
| **IDE Tools** | VisualStudio2012/2010/2008. |
| **Reporting Tools** | Grafana, Elasticsearch, Reporting Services |
| **Operating Systems** | All Windows SO |
| **Testing Tools** | Unit Testing and Integration Testing with XUnit |

**Microsoft Corporation, Los Angeles - California October 2022 – Current**

**(Through Persistent Systems)**

*AT is an IT consultant on Backend Development*

**Role: Sr .Net Developer**

**Project**: Platform Development: Contribute to add functionalities to existing microservices written in both .NET and NodeJS/Typescript.

**Achievements:** I contributed with new ideas on how to migrate a monolith/SOA design to a micro services design.I updated critical documentation on several missing steps that were required to configure the development environment. This helped get new team members up to speed on a shorter time.

**Responsibilities:**

* Designed software artifacts, developed new components and maintain existent ones according to business requirements.
* Propose code-architecture changes and actively tried to bring better coding standards for the company.
* Developed applications using software development life cycle (SDLC) followed of Agile/Scrum methodologies
* Increased the code coverage percentage by configuring a differential code scan using Azure Devops
* Increased the code coverage percentage by developing new integration tests and unit tests.
* Maintain ReactJS/Typescript and NodeJS/C# solutions.
* **Backend Tech**: ASP.NET Core 3x/5x/6x/7x (WebApi, BackgroundServices), SignalR, SQL Server, Dockers, Swagger, Unit Testing and Integration Testing (X Unit) , Dependency Injection , etc.
* **Frontend Tech**: React JS with Redox and Thunk using both JavaScript and Typescript
* **Cloud tech: Microsoft Azure** (Api Manager, File Storage, Blob Storage, Secret Manager, Websites,

Functions, SQL Databases, Computer Vision, Virtual Machines, etc.

* Developed applications using software development life cycle (SDLC) followed of Agile/Scrum methodologies
* Consumed different REST and web APT's to retrieve customers' information and other application related information
* Created complex store procedures and function on SQL Server 2022 Databases.

**Environment**: Agile, Scrum, ASP.NET Core .NET/.NET Core 3/5/6, Web Api, SQL Server, Signal, SQL Server, Mongo DB, Dockers, Swagger, Unit Testing and Integration Testing (X Unit) , AWS Lambdas, Dependency Injection , etc.

**Agile Thought, Tampa. FL Apr 22 – Sep 22**

*AT is an IT consulting services company giving service to Fortune 500 Companies*

**Role: Sr .Net Developer**

**Project**: Platform Migration - Migrate .NET Services to .NET Core and Development of new Microservices

**Achievements:** Proposed a Clean Architecture template for developing new services, which reduced the development time up to 30% per service. This template included Azure Service Bus, Azure Functions, AWS Lambdas, Background Services and General Purpose APIs

**Responsibilities:**

* Designed, developed, and deployed several Background Services, WebApis and WebSites according to business requirements.
* Propose code-architecture changes and actively tried to bring better coding standards for the company.

Contributed to the UnitTesting/Integration Testing projects.

* Developed applications using software development life cycle (SDLC) followed of Agile/Scrum methodologies
* Test web API response by sending required parameters through Unit Testing.
* Consumed different internal REST and web APT's to retrieve customers' information and other application related information
* Created self-documentation services using OpenApi standards.
* Asp.NET Web forms/MVC, React, Background Services, Web Apes, etc.
* Propose code-architecture changes and actively tried to bring better coding standards for the company.
* **Backend Tech**: ASP.NET Core 3x/5x/6x (MVC/Web API), Signal, SQL Server, Mongo DB, Dockers, Swagger, Unit Testing and Integration Testing (X Unit) , Dependency Injection , etc.
* **Frontend Tech**: React JS with Redox and trunk / ASP.NET Core MVC using JavaScript/Typescript
* **Cloud tech: Microsoft Azure** (Ape Manager, File Storage, Blob Storage, Secret Manager, Websites,
* Functions, SQL Databases, Computer Vision, Virtual Machines, etc.
* Used HIML 5, Cascading Style sheets (CSS3), Bootstrap and Angular to develop and implement a user-friendly Ul design for the presentation layer.
* Created Typescript reusable components and services to consume REST API'S using Component-based architecture provided by React.
* Design develops and Unit testing of the software with different domains likes ASP.NET, C#, Restful APl and AWS with TDD methodology.
* Design and implement several support tools using ASP. NET MVC, Web APl, and java Script.
* Developed applications using software development life cycle (SDLC) followed of Agile/Scrum methodologies
* Test web API response by sending required parameters through Unit Testing.
* Consumed different REST and web APT's to retrieve customers' information and other application related information
* Created complex store procedures and function on SQL Server 2016 Databases.

**Environment**: Agile, Scrum, ASP.NET Core .NET/.NET Core 3/5/6, Web Api, SQL Server, Signal, SQL Server, Mongo DB, Dockers, Swagger, Unit Testing and Integration Testing (X Unit) , AWS Lambdas, Dependency Injection , etc.

**Sengence International Mexico, Apr 21–Apr 22**

*Sengence International sells and distributes skincare and makeup products in USA and 5 other countries*

**Role: Sr .Net Developer**

**Project**: Magento Integration: As Senior Developer, I oversaw porting existent APIs to a newer micro service architecture. I was part of the Cloud Architects Team where I helped modeling the cloud components needed to integrate Magento.

**Achievements:** Fixed a long-term bug that was negatively impacting customer satisfaction every year.

**Responsibilities:**

* Designed, developed, and deployed several Background Services, WebApis and WebSites according to business requirements.
* Maintained several home-build applications in a wide variety of technologies such as Asp.NET Web forms/MVC, React, Background Services, Web Applications, etc.
* Propose code-architecture changes and actively tried to bring better coding standards for the company.
* Contributed to the UnitTesting/Integration Testing projects.
* Developed applications using software development life cycle (SDLC) followed of Agile/Scrum methodologies
* Test web API response by sending required parameters through Unit Testing.
* Consumed different REST and web APT's to retrieve customers' information and other application related information
* Created and maintained complex store procedures and function on SQL Server 2016 Databases.
* **Environment:** Agile, Scrum, ASP.NET Core 3x/5x/6x (MVC/Web API), Signal, SQL Server, Mongo DB, Dockers, Swagger, Unit Testing and Integration Testing (X Unit) , Dependency Injection , **Microsoft Azure** (Ape Manager, File Storage,

**Relli Technology, Mexico July 20– July 21**

*Relli Technology is a parts and tech provider for the US Federal Government.*

**Role:** Sr Lead .Net Developer

**Project: Quotation Manager**: I oversaw designing, developing, and deploying an Automation Tool using RPA technology, to automatically create Quotation Orders coming from Email Messages and insert them in the company’s ERP.

This helped the company to save hundreds of hours by automating manual tasks**.**

**Project: Warehouse Management System**: As a Lead Senior Software Developer, I was involved in designing, developing, and deploying a new version of the WMS. This allowed the company to have ownership of their processes and source code, while improving their flexibility to make any changes.

**Responsibilities:**

## Developed a Quotation Automation Platform for users and upper management to centralize and manage all the outcoming client quotations. Greatly improved the client quotation workflow, using RPA technology to automate several manual procedures.

## Designed and developed several databases for every microservice in use (SQL, Mongo)

## Designed a Microservices Architecture Approach to deploy application components.

## Built a new version of their existing Warehouse Management Module to manage inventory.

## **Environment:** Scrum , Agile, ASP.NET Core 3x/5x (MVC/Web API), SignalR, SQL Server, Entity Framework Core Mongo DB, Docker, Swagger, Unit Testing and Integration Testing (XUnit) , Dependency Injection , ReactJS with Redux and Thunk / ASP.NET Core MVC using JavaScript/Typescript **, Microsoft Azure** (Websites, Functions, SQL Databases, Computer Vision, Virtual Machines, etc.). AWS: (Lambdas, S3 Storage, IAM). Azure Devops

**Client**: **Café Soluble SA DEC 2017 - JULY 2021**

*Café Soluble SA is the biggest and most important Coffee Brand in the country. They manufacture, store and distribute their product across Central America.*

**Role: Sr .Net Developer**

**Responsibilities:**

**Project: UNIGIS – As a Senior Software Developer, my job was to integrate a new product (UNIGIS), to calculate the most efficient delivery routes. The integration with the current WMS and ERP software was extremely successful, saving the company up to $USD 150,000 annually.**

**Project: LS Retail – As a Senior Software Developer, my job was to rollout an Integration Platform to manage the transition between the new Retail Software, replacing the old retail application. The project was successful, and the rollout was successfully done with no downtime in any of the company branches.**

* Participated as part of a selected team from the IT Department to implement the company’s ERP in the Colombian branch of the company.
* Designed a Clean Architecture solution to integrate the new Microsoft Dynamic’s based POS (LS- Retail) modules to the ERP modules (Sales Orders, Bill of materials, Inventory Stock Management).
* Developed a basic Telegram Bot to automate repetitive tasks. (Restart some windows services and executing some other ERP-related tasks). Greatly improved the response time for the support team.
* Fixed several database problems, helping eliminate database locks and improve database performance (Query tuning, proper indexing, partitioning).
* ASP.NET Core 3x/5x (MVC/Web API), SQL Server, Unit Testing and Integration Testing (X unit) , Dependency Injection , etc.
* Microsoft Azure (Web Sites, Functions, SQL Databases). Info LN ERP Cloud Integration Tools.
* IIS, Active Directory, info LN on Premise Integration Tools, Microsoft Dynamics.
* Develop and architect apps compatible across all platforms, build for any deployment target, re-engineer legacy applications to latest .NET environments with modern .NET Core framework.
* Lead the development team and worked with business and senior management to understand the business process and requirements.

**Environment :** ASP.NET Core 3x/5x (MVC/Web API), SQL Server, Unit Testing and Integration Testing (Xunit) , Dependency Injection , etc, Microsoft Azure (Websites, Azure Service Bus, Functions, SQL Databases, Container Registry, App Configuration, etc.). Infor LN ERP Cloud Integration Tools,IIS, Active Directory, Infor LN On-premise Integration Tools, Microsoft Dynamics

**Airpak/Western Union, Mexico Mar 2016 - OCT 2017**

*Airpak Western Union oversees all the Western Union operations in Central America and México. Is the leading remittance company in the region*

**Role: Regional Sr .Net Developer**

**Responsibilities: As Senior Software Developer, I was part of the Regional Maintenance Team, in charge of giving support to a wide range of applications within the company, following compliance and coordinating implementation effort with team members located in Central America and Mexico.**

* Achievement: Our small but highly cohesive team got a 100% success ratio for 12 consecutive months on critical regional software updates. No rollbacks!
* Designed and developed integration solutions for international billers.
* Designed and developed internal tools to improve the company (Log Vievers, Integration Tests, Units Tests, Transaction Grouping , Wester Union Gateway Health Checker, Biller Health Checker)
* Coordinated teams across Central America and Mexico to make sure changes were compliant with local regulations
* Designed and developed revamped MVC versions of existent Web forms Backoffice Apps
* Fixed bugs from across nearly 60 different existent applications (MVC, WCF Services, Web API) to support 6 different countries, each with its own business rules
* Detected and fixed several database problems, helping eliminate database locks and improve database performance by 30% on a highly transactional db. (Query tuning, proper indexing, partitioning) ·
* Rewrite several stored procedure to transition to a higher database level configuration option. Upgraded to a newer syntax and fixes several performance issues.

**Environment :** ASP.NET 3.5,4.5 (MVC/Web API), SQL Server, Winforms, 3rd Party Apis, Unit Testing and Integration Testing (Xunit) , Dependency Injection , etc, Microsoft Internet Information Services , Sql Server DatabasesIIS, Active Directory,

**Silva International SA (SINSA) Dec 2015 - Mar 2016**

*Sinsa is the biggest departments store in Nicaragua. They offer a variety of good and services*

**Role:** Senior Sr .Net Developer

**Project:** SAC (Customer Service Platform)

As a Senior Software Developer, I was in charge of contributing to the CSP architecture and web services development. The app was successfully released, and it’s currently being used across all the company branches

* Designed the database including tables, stored procedures, functions and views to support the CSP operation
* Designed several services to handle customer cases lifecycle.
* Connected the company to 3rd Party Apis when required.

**Environment** : ASP.NET Web Api, Webforms / MVC, Jquery , WCF,WebApi, EntityFramework , SQL

Server, PosgtreDb, Reporting Services, Integration Services

**National Lottery June 2013 - July 2015**

*The National Lottery is the official institution that owns and manages prize games and draws across the country.*

**Role:** Lead .Net Developer

**Responsibilities:** As a Lead Software Developer, I oversaw a team of 3 engineers. Our goal was to build a revamped MVC/SOAP version of National Lottery Platform, which was written in Visual Fox Pro. Our team successfully deployed the new version, solving many security and performance issues.

* Responsible for designing the new POS Architecture
* Responsible for designing, developing, and managing a database with millions of rows.
* Worked on developing a variety of services (web Apis, MVC Apps, Background Workers, ) to support the company operation.
* Worked on integrating Query APIS with MVC pattern.
* Worked extensively on Ajax and Java script Web sockets.
* In charge of managing the application lifecycle.

**Environment:** C#, .NET, ASP.net, HTML, CSS, Java Script, query 1.5x, usability testing. Chrome developer tools, SQL Server 2008/2005, Visual studio 2008/2012, T-SQL. Windows 2007

**Airpak/Western Union Jan 2012 - May 2013**

**Role:** Middle .Net Developer

**Responsibilities:** As Software Developer, I helped to develop ASP.NET / Webforms/MVC/Apis according to my team lead requirements.

* Contributed developing modules for the Airpak Point Of Service Platform
* Contributed writing complex SQL Queries to increase data processing speed.
* Fixed bugs across a wide range of applications (MVC, Webforms, Apis, MQ, etc)

**Environment:** C#, .NET, ASP.net, HTML, CSS, Java Script, query 1.5x, usability testing. Chrome developer tools, SQL Server 2008/2005, Visual studio 2008/2012, T-SQL. Windows 2007

**EDUCATION AND CERTIFICATES**

Current- B.Sc. in Computer Science, Keiser University – Florida

**2022** [Currently Preparing] Developing Solutions for Microsoft Azure (AZ 204)

**2021** Lifelong Learner – Certiprof

**2020** Exam AZ-900 Microsoft Certified Azure Fundamentals - Microsoft

**2020** Scrum Foundation Professional Certificate-Certiprof

**2019** **Exam** 761 Querying SQL Server – Microsoft

**2015** Exam 98-364 DB Fundamentals Microsoft