Angel Mario Cantu
Sr. Software Engineer

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Professional Summary

Over 20 years of IT experience with hands-on development in the IT Industry with extensive expertise analyzing, designing and developing Mobile/Web Applications using .Net platform (Visual Basic, C#, ASP .NET, ASP .NET MVC), Web API, .NET Core, Windows Forms, Web Services, Windows Services, Windows Communication Foundation, AngularJS, Angular 2+, PhoneGap, HTML/HTML5, CSS/CSS3, JavaScript, jQuery, jQuery UI, MongoDB, SQL Server, some Azure components and many more. Knowledge in all the SDLC, implementing practices of traditional and agile methodologies. Also, with experience in gathering requirements, prototyping, unit and functional testing, quality evaluation and many more.

- Senior level developer with .NET development MVC working in web application with SQL Server, Full-Text Services and Reporting Services.
- Strong programming skills on Object Oriented and Structured programming.
- Extensive experience creating and consuming Web Services using ASMXs and Restful Web API.
- Comprehensive experience with Angular2+ and AngularJS frameworks for development of single page applications.
- Strong experience with Responsive Web Design using Bootstrap and CSS/CSS3.
- Hands on experience with the MVC Pattern using Angular2+, AngularJS and ASP .NET MVC.
- Experience in unit testing: MSTest, NUnit, Karma/Jasmine.
- Extensive Experience in designing websites for mobile phones and desktop browsers that works for both the Browser and as a Mobile App using Cordova/PhoneGap and Ionic/Framework 7.
- Strong experience designing, querying and improving performance with SQL Server, as well MongoDB.
- Extensive experience using TFS, Subversion and Git as version control systems.
- Experience working with customers, gathering business requirements, analyzing their business model and taking translating their needs and requirements into software specs.
- Full lifecycle development experience using CMMI and SCRUM practices.
- Usage of Scrum and Agile development to deliver higher-level code, quickly, frequently and in better alignment to requirements.
- Experience working in large team environments.
- Experience in creation and maintenance of applications in Azure working with Websites and SQL Azure databases
- Experience in SCAMPI evaluation as part of appraisal team.
- Creative and full of ideas, using technologies and resources available to solve problems.
- Management and Leadership abilities, administrative skills and team player.
- Autodidactic, fast learner, passionate and hardworking, capable of learning anything very fast on my own.

Education

- Master's Degree in Information Engineering
- Bachelor's Degree in Computer Systems Engineering

Certifications and Official Courses

- Technical:
    - MCTS .NET Framework 2.0, Web Applications
    - MCTS SQL Server 2005 - Implementation and Maintenance
    - Object-Oriented Analysis and Design with UML
    - M101N: MongoDB for .NET Developers
- Management and SDLC processes:
    - Scrum Master Certified Credential
    - Official SEI: Course Introduction to CMMI v1.3
    - Official SEI: Appraisal Team Training
- IT Services:
    - ITIL Foundation in IT Service Management
    - ITIL® Intermediate Certificate in IT Release, Control and Validation
- Others:
    - TOGAF 9 Foundation Level
    - ISO9001:2008 Internal Auditor
    - Microsoft Office Specialist for Office Outlook 2010

Technical Skills

- **Operating System:** Android, iOS, Linux, OSx and Windows 98-10.
- **DBMS:** SQL Server, MongoDB, Oracle DB.
- **Messaging**: RabbitMQ
- **Version control Tools:** Subversion, Git, and Team Foundation Server.
- **Web Development Technologies:** Visual Basic, C#, ASP .NET, ASP .NET MVC, ASP .NET MVC Web API, .NET Core, HTML/HTML5, CSS/CSS3, JavaScript, jQuery, AngularJS, Angular 2+, Bootstrap, REST, SOAP.
- **Unit Testing:** MSTest, NUnit, XUnit, Karma/Jasmine.
- **Mobile Development Technologies:** Cordova/PhoneGap, Ionic, Framework7.
- **Application/Web Server:** Windows Server / IIS.
- **Designing tools:** MS Visio, Enterprise Architect, Axure Pro, IBM Blueworks Live, Balsamiq Mockups.
- **Management tools:** MS Project, Visual Studio Online (TFS), Trello, Process Dashboard (PSP/TSP), Jira, Confluence.
- **DevOps**: Docker, Podman, Kubernetes, Gitlab, PFC, nginx
- **Triaging tools:** Postman, Fiddler, Splunk, Dynatrace

Work Experience

Dell Technologies

Principal Software Engineer - IT
June 2019 - Current

As fulltime employee, I have worked fixing defects in current application in both front and back end. I have worked with technical leads and architects to propose architectural changes for new features, including security components for authentication and authorization. I have implementing new features integrating template changes in HTML, angular components and services connected with NGRX stores, and calling new API methods that communicate with external services (other Dell teams). For all these changes, creating the unit tests and integration tests for both front and back end. I have helping new folks in the team to ramp up and solve questions related to the solution.
Some of the technical challenging projects were modernizing the application from .NET to .NET Core, upgrading versions of Angular in front end apps, moving whole flows from legacy app to microservices and micro-frontends.

Xemble Technologies Inc.

Senior Software Development Consultant – Experis/Dell Technologies
Dec 2018 – May 2019

As contractor, I have worked fixing defects in current application in both front and back end. I have worked with technical leads and architects to propose architectural changes for new features, including security components for authentication and authorization. I have implementing new features integrating template changes in HTML, angular components and services connected with NGRX stores, and calling new API methods that communicate with external services (other Dell teams). For all these changes, creating the unit tests and integration tests for both front and back end. I have helping new folks in the team to ramp up and solve questions related to the solution.

Software Development Consultant – Experis/General Motors
Aug 2018 – Nov 2018

I worked improving the performance of a current application for dealer sites, I had to review and fix routing in AngularJS, merged some API calls into only one method, improved the performance of Linq queries and C# code.
I also created the base Angular 6 project and added into the previous MVC project. Made that both projects run in parallel for the transition period. Created structural Angular 6 components/unit testing code. Worked on migrate some pages from previous dealer sites to the new platform.
Mentored junior developers in the team to get their tasks completed.

AXEN

Software Development Consultant
May 2017 – Aug 2018

Living Water Information System *(Assigned to Stonebridge)*: I worked implementing SOLID angular components for specific functionality of the system. I helped to design user/profile/permission management screens, I implemented the survey module for both: Web App and Mobile App, making the code reusable to reduce time of implementation. I implemented shared components to reuse code and reduce time of implementation of other functionalities. I also created shared components for the backend (.NET Core). We were working on SCRUM methodologies with sprints of 2-3 weeks.
Greenleaf Nursery (Assigned to Stonebridge): I did some changes in an existing application (.NET MVC with jQuery, Telerik Controls and Dapper to get access to the SQL DB). Also, I created 2 new applications using the same framework. I worked with the PM and SQL Developer to deploy changes to the Test and Production environment.
Brake Check: I helped to this project on extra time (40-60 hours per month). I created and updated SOLID angular components. I implemented the SQL Database Mail component for the project and implemented the functionality using Stored Procedures. I implemented the Azure Scheduler for scheduled tasks reusing existing Web API methods. I implemented API methods to interact with services like Twilio for SMS messages and a legacy system to receive information about alignments and serialize it using XML.
Bond Portal: I led this project in the complete development life-cycle, since the requirements/analysis meetings with the client to work with the architect to deploy version to the different environment we had. I also was part of the development team, I implemented components to add information in field forms inside PDFs, manage the customer information using Authorize.NET, to export data to CSV files, to send emails, manage the cloud storage, etc.
Invoice Management System: I helped as analysis reviewer and as part of the development team. I implemented components to split PDF into several images (one per page) for managing batch files, I also created a "table" component in angular to easily manage grids in the client side. Created the module of batch files, user management and synchronization with legacy system.

IT Department of University of Nuevo Leon

Solution Architect & Senior .NET Web Developer
Nov 2006 – May 2017

I worked as the Project Leader (some projects using traditional administration methods and in others using agile administration methods like SCRUM), Solution Architect & Senior .NET developer. The main project I was assigned was the Integrated Library System (CODICE), in which I was exposed to all phases of development since gathering requirements to the product implementation, and in supporting phase using practices of ITIL and ISO20000. I extensively worked on development and improvement of the Reporting Platform of CODICE, based in SQL Server Reporting Services. I led a pilot project to migrate CODICE to the cloud of Microsoft (Azure), in which I collaborated with an Azure Expert to create the solution architecture that was service oriented and multi-tenant. I participated as appraisal team member in the SCAMPI A evaluation when the organization reached level 3 of CMMI, in 2013 and 2016.

.Net Developer
Aug 2005 – Nov 2006

I worked on multiple projects launched by University's IT department to create value for University. Helped develop the front-end for a new web application to be used by Libraries. Addressed cross-browser issues in code and design. Created Web Forms, custom user-controls and classes for web tools. Took advantage of some server-controls and the master pages in .Net 2.0. Wrote T-SQL scripts and used SQL Query Analyzer for migrating changes and updates to database.