MIGUEL ALONSO

Developer Portfolio: www.alonsomiguel.com

FULL-STACK SOFTWARE DEVELOPER

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Miami, Florida

FRAMEWORKS TOOLS PROGRAMMING LANGUAGES

C#, .NET 10, Blazor, Angular, React, Razor Pages, MVC, ASP.Net Core Web-API, JavaScript, HTML5, CSS3, Bootstrap, MS SQL Server, SQL, PL/SQL, Azure DevOps, CD/CI, GitLab, GitHub, Jira, Visual Studio, JetBrains Rider, PostgreSQL, Oracle Database.

CAREER OVERVIEW

Full-stack .NET engineer focused on system modernization, REST APIs, and DevOps workflows. 12+ years of experience spanning software engineering, data analytics, and technical project management. U.S. Navy veteran.

KEYCOMPETENCIES

- Software Development and Architecture
- Software Engineering
- Front-End and Back-End Development
- Agile Processes and DevOps
- VTech-Stackersion Control
- Data Analytics

ACADEMIC BACKGROUND

Florida International University

Bachelor of Science (Computer Science)| 2017 - 2021 Graduated

Georgia Institute of Technology

Master of Science (Computer Science) | 2024 - present

WORK SUMMARY

Senior Software Developer

Miami-Dade County | March 2025 - Present

- Leading modernization of procurement and strategic vendor management platforms supporting County-wide acquisition workflows and small business vendor integration.
- Developing full-stack features using Blazor, C#, .NET 8/10, ASP.NET Core Web API, SQL Server, and MudBlazor to enhance operational efficiency, performance, and UI consistency.
- Refactoring legacy procurement tooling (ASP.NET MVC 5 / .NET Framework) into modern .NET Core + Blazor single-page applications with responsive MudBlazor UI components.
- Designing and integrating RESTful APIs to support cross-system communications, reporting, and auditing requirements for procurement processes.
- Collaborating with business analysts, procurement leadership, and technical teams to capture requirements and deliver compliant software solutions aligned with County policy.
- Executing Agile DevOps workflows using Azure DevOps, CI/CD pipelines, Git, and automated deployments for iterative releases.
- Optimizing SQL queries, stored procedures, data models, and concurrency patterns for high-volume bid, vendor, and small-business datasets.
- Producing technical documentation supporting system functionality, operational procedures, and modernization initiatives.
- Ensuring software solutions meet security, auditing, accessibility, and compliance standards for government procurement systems

- Software Development and Technical Project Management
- Troubleshooting and Quality Control

Senior Full-Stack Engineer

Tempo | Aug 2024 -March 2025

- Extensive experience collaborating in Agile and DevOps-oriented environments, contributing effectively to team-based development.
- Strong expertise in Blazor, Razor, C#, ASP.NET Core Web API, .NET 8, HTML5, CSS, Bootstrap 5, MudBlazor, JavaScript, SQL, and Microsoft SQL Server for full-stack development.
- Skilled in designing and managing APIs to facilitate seamless communication between front-end and back-end systems.
- Solid foundation in object-oriented programming, design patterns, and data structures to build scalable and maintainable applications.
- Experienced in integrating third-party libraries and components, such as MudBlazor, and developing reusable UI components.
- Proficient in building responsive Single Page Applications (SPAs) with cross-browser compatibility and optimized user interfaces.
- Hands-on experience in database design, stored procedures, SQL queries, functions, and ORM frameworks to support application requirements.
- Capable of working independently, conducting code reviews, following best practices, and delivering efficient, high-quality solutions.
- Adept at analyzing and optimizing SQL queries for improved database performance.

Software Developer III

Cencora (Fortune 500 Company) | Dec 2022 - Aug 2024

- Developed and maintained a suite of ASP.NET MVC web applications, improving code quality and maintainability by refactoring legacy systems.
- Built highly responsive web applications using Angular and .Net, leading to a 20% increase in customer engagement.
- Architected and implemented a scalable .NET Core solution for a finance SaaS platform, boosting system efficiency by 25%.
- Refined back-end API services with a focus on clean, scalable code and RESTful principles.
- Applied expertise in SQL Server to optimize database performance and achieve a 10% cost-saving in resource allocation.
- Regularly consulted with clients to translate business needs into high-level project plans, ensuring alignment with strategic objectives.

- Collaborated with product designers to prototype and iterate on user interfaces, driving an improved NPS score by 10 points.
- Created robust CI/CD pipelines using Azure DevOps, automating deployments which decreased manual intervention by 40%
- Led a cross-functional team of 4 in the successful deployment of a major update, resulting in a 15% reduction in load times.

Software Developer

Capital Benefit Services | Feb 2022 - Dec 2022

- Proven experience working in a team in an Agile and Dev-Ops oriented environment.
- Proven development experience in: Blazor, Razor, C#, ASP .Net Core Web-API, .Net 8, HTML5, CSS, Bootstrap 5, MudBlazor, JavaScript, SQL and MS SQL Server.
- Demonstrated ability to manage the application programming interfaces for communication between the front-end and back-end using Web APIs.
- Proven experience in object-oriented programming, design patterns and common data structures.
- Proven experience working in a team in an Agile and Dev-Ops oriented environment.
- Proven experience developing user-friendly User Interfaces (UI) and Single Page Applications (SPAs) with focus on cross browser compatibility and responsive interfaces.
- Proven Experience applying project requirements to database table design and working with stored procedures/queries, SQL functions, and ORM frameworks.
- Ability to work independently, perform code reviews, adhere to programming standards. and implement efficient solutions.
- Ability to analyze SQL queries for performance optimizations.

Application Systems Programmer II

Florida Department of Children and Families |May 2013 - Feb 2022

- Develop and maintain complex web applications, stored procedures, functions/methods, scripts, and pages in ASP .Net MVC 5, ASP .Net Core MVC, C#, MSSQL Server, Team Foundation Server (TFS), HTML, CSS, JavaScript, SQL, Oracle 21c, PL/SQL, Jasper Reports Server, and Oracle's Application Express content management system (APEX).
- Work with stakeholders and clients to understand software and business rules requirements and ensure applications are developed on time and expectations are met.

- Work with the Product Team to gather requirements and expectations to develop, improve, and automate software tools used by the agency and users in their daily activities.
- Perform research and analysis of tools and 3rd party APIs needed to develop and extend the agency systems. These tools and APIs include (but are not limited to) rich web-based text editors, PDF and Excel builders/readers, front-end libraries, material design components, and web reactive components, among others.
- Resolve bugs reported by users and work on assigned tasks, user stories, and tickets.
- Test, deploy, maintain, and debug applications and source code.
- Develop documentation throughout the software development life cycle (SDLC).
- Conduct reviews and ensure data integrity of statistical and performance reports from DCF providers such as Miami Dade County Public Schools, Miami Dade College, Broward College, Jackson Memorial Health System, South Florida Workforce, Church World Services, Lutheran Services Florida among others.
- Analyze business rules, performance measures, deliverables, and other benchmark metrics that DCF uses to report statistical data to the Federal government to sustain and receive federal dollars/ grants to support the agency programs and its users.