

GABRIEL BERMUDEZ

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PROFESSIONAL SUMMARY

Senior Full-Stack Developer with 10+ years of experience designing and delivering enterprise-grade applications for healthcare, financial services, and public safety. Expert in .NET/C# and Angular, specializing in SAP ERP integration, real-time systems with SignalR, and scalable architectures using repository patterns and microservices. Proven ability to ship production systems processing multi-module accounting across business divisions, maintain NFPA/OSHA compliance platforms serving 15+ fire departments, and modernize legacy tax processing workflows.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, SQL, HTML5, CSS3, XAML

Backend: .NET 10, ASP.NET Core, Minimal APIs, Entity Framework Core 10, Dapper, SignalR 9

Frontend: Angular 21, React 19, Blazor WebAssembly, WPF, TypeScript 5.9, Tailwind CSS, Bootstrap 5, DevExtreme, PWA

Database: SQL Server, SSIS, SSRS, Database Projects, Stored Procedures

Cloud & DevOps: Azure AD, Azure Functions, Firebase, MSAL, CI/CD Pipelines, Azure DevOps

Architecture: Repository Pattern, Clean Architecture, MVVM, Microservices, Two-Tier Proxy, OData, Output Caching

Integration: SAP RFC, Healthcare Systems, Tax Processing, NFPA/OSHA Compliance, SSRS Reporting, Payments (Stripe, ATH Móvil), Bank Sync (Plaid), SMS (Telnyx), AI (Google Gemini)

PROFESSIONAL EXPERIENCE

Full Stack Developer

2020 — Present

PPE Software LLC — Puerto Rico

- Architected and shipped a NFPA 1851/OSHA compliance platform serving 15+ fire departments across multiple jurisdictions, reducing manual compliance tracking by an estimated 80%
- Built a two-tier SAP proxy architecture isolating RFC calls in a dedicated microservice, processing multi-module accounting across 4 business divisions with 7 repository interfaces
- Developed channel-based background queue system with real-time SignalR progress updates, enabling users to monitor long-running SAP operations without page refreshes
- Implemented output caching with automatic invalidation across connected clients, reducing redundant API calls by approximately 60%
- Created enterprise tax form processing system achieving an 85/100 frontend modernization score using Angular signals architecture with full OnPush change detection

- Built a barcode-driven check-scanning and management platform (Check Rescue / CRA) on a vertical-slice Clean Architecture .NET 10 backend with Azure AD authentication and embedded SSRS reporting
- Delivered WPF desktop application with Azure Functions backend for automated equipment alert services, targeting both ARM64 and x64 platforms

Software Developer → Consultant

2016 — Present

Triple-S (SSS) — Puerto Rico

- Transitioned from full-time developer (2016–2018) to ongoing consultant, maintaining continuity across healthcare and financial processing systems
- Built enterprise claims and invoice management system (SNC) with 25+ OData endpoints, SSRS reporting, and SSIS extraction pipelines for healthcare operations
- Developed insurance commission processing platform (SFA) with DevExtreme pivot grids, SAP connectivity via SSH.NET, and ICM integration for Medicare Advantage enrollment data
- Built data transformation and reporting tools using .NET and WPF with Fluent Design, processing structured data files for financial reconciliation
- Implemented Clean Architecture with Domain/Application/Infrastructure layers for maintainable, testable codebases across multiple projects
- Integrated SAP vendor data synchronization using two-tier proxy pattern for tax form processing workflows

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PROFESSIONAL EXPERIENCE (CONTINUED)

Front-End Developer

2015 — 2016

YCS PR — Puerto Rico

- Designed and developed the Yibzer consumer application from concept to launch, building the complete front-end architecture and UI/UX design
- Implemented responsive design for cross-device compatibility, ensuring consistent user experience across mobile and desktop browsers
- Collaborated with product team to translate business requirements into consumer-oriented interfaces with focus on usability and engagement

KEY PROJECTS

SAP Interface Framework

.NET 10, Angular 21, SignalR, SAP RFC, DevExtreme

- Enterprise integration platform orchestrating data flow between healthcare systems and SAP ERP across 4 business divisions
- 7 lazy-loaded Angular feature modules with channel-based background queues and real-time progress tracking

PPE Software — Fire-Service Compliance & Asset Management

ASP.NET MVC 5, .NET Framework 4.8, EF6, DevExtreme, SignalR, Azure, .NET 10 API, Blazor WASM, React Native, FIDO2 Passkeys

- Production ASP.NET MVC 5 web app serving 15+ fire departments under NFPA 1851/OSHA — gear/asset inventory, QR-code labeling, work orders, and multi-tenant accounts behind Entra ID + FIDO2 auth
- Active modernization: .NET 10 Minimal API, Blazor WebAssembly client (passkeys), React Native (Expo) mobile app, and Azure Functions for scheduled compliance alerts

SSS Tax Forms

.NET 10, Angular 20, SignalR, ExcelJS

- Enterprise tax form processing with SAP vendor integration; Angular signals architecture with 85/100 modernization score
- Reusable DataGrid component with standardized CRUD operations across all entity types

Check Rescue (CRA) — Check Processing & Banking

.NET 10, Angular 21, EF Core 10, Azure AD, SSRS, Tailwind CSS

- Barcode-driven check scanning with duplicate prevention, company/check-status workflows, and embedded SSRS reporting
- Vertical-slice Clean Architecture with Result-pattern error handling, Azure AD authorization, and hardened security headers

SNC — Claims & Invoice Management

.NET Framework, ASP.NET MVC, OData, DevExtreme, SQL Server, SSRS, Active Directory, SSIS

- Enterprise claims and invoice management with multi-phase payment tracking, enrollment data, and SSIS extraction pipelines
- 25+ OData endpoints with Active Directory LDAP auth, SSRS dynamic reporting, and DevExtreme dashboards with Chart.js

SFA — Commission & Financial Processing

.NET Framework, ASP.NET MVC, OData, DevExtreme, SQL Server, Dapper, SAP (SSH.NET), SSIS

- Insurance commission processing platform with pivot grids, package extraction engine, and ICM integration module
- Medicare Advantage enrollment ETL pipeline processing 40+ data fields daily with real-time job monitoring

DTRR Parser

.NET 10, WPF-UI (Fluent Design), SQL Server, MVVM

- Modern WPF desktop tool parsing fixed-width CMS DTRR reporting files into SQL Server, with preview, filtering, and duplicate detection
- Clean MVVM architecture with a separated services layer and multi-platform (ARM64/x64) targeting

Citafy — Booking & Payment SaaS for Beauty Businesses

Angular 21, Firebase, Cloud Functions, Stripe, ATH Móvil, Telnyx, AG Grid, Chart.js

- Booking SaaS securing appointments with mandatory ATH Móvil deposits and Stripe Connect; gift cards, memberships, packages, and loyalty stamps
- Real-time analytics (revenue, peak hours, no-show rate), Google Calendar sync, waitlist, automated review requests, bilingual (en + es-PR)

Ignia Fitness — Calorie & Macro Tracker with AI Coach

Angular 21, Firebase, Cloud Functions, Google Gemini, Stripe, Transloco, PWA

- Photo-to-macros via Gemini Vision, USDA FoodData Central search, and adaptive 14-day TDEE calibration from logged weight + intake
- Streaming AI coach grounded in the user's log, Stripe subscriptions, installable PWA, bilingual (en + es-PR)

Yibzer App

JavaScript, HTML5, CSS3, iOS, Android, UI/UX Design

- Consumer food-ordering app for iOS and Android, designed from concept to App Store launch at YCS PR
- Full front-end architecture with responsive cross-device design and consumer-oriented UX

EDUCATION

Bachelor of Science in Computer Science

Universidad de Puerto Rico, Bayamón