

VoIP Subscription & Provisioning Platform (2012–2014)

Enterprise .NET Development in High-Volume Telecom Environment

1. CONTEXT & CONTRIBUTION

Client: Telecom services provider

Environment: High-volume subscription transactions (revenue-critical)

Project Status: Ongoing enterprise platform development

Contribution Scope

- Developed subscription workflows with integrated online payments
- Standardized UI through adoption of a reusable component framework
- Supported billing cycle execution through controlled database operations

2. DEVELOPMENT SCOPE

VoIP Subscription Module

- Implemented subscription management interface using ASP.NET Web Forms
- Integrated payment gateway for recurring billing (PagSeguro)
- Developed C# business logic for subscription features

UI Standardization

- Adopted DevExpress component framework for UI standardization
- Improved consistency and development speed through reusable components
- Contributed to incremental modernization of legacy UI

Billing Operations

- Executed billing processes via SQL Server stored procedures
- Ran VB application for invoice generation (post-procedure step)
- Supported multi-step billing cycles ensuring data consistency
- Assisted financial operations through data validation and extraction

3. TOOLS & TECHNOLOGIES

Development Stack:

- ASP.NET Web Forms
- C#
- Visual Studio 2010
- DevExpress (UI component framework)
- SQL Server (stored procedures)
- PagSeguro API (payment integration)

Architecture:

- Multi-tier enterprise architecture
- Web Forms code-behind pattern
- Database-centric billing operations

4. KEY TAKEAWAYS

Technical Growth

- Transitioned from documentation-focused work to hands-on system development
- Built practical experience in enterprise .NET environments
- Developed understanding of payment and billing system integration

Business Understanding

- Subscription-based revenue models and their operational dependencies
- Importance of billing accuracy in revenue-critical systems
- Challenges of integrating third-party payment services

This role prepared me for

- Healthcare (2014-2025): 11+ years of architectural leadership
- Founder (2025-Present): Boutique software & technical strategy

5. TECHNICAL EXPOSURE

Technologies & Tools

- ASP.NET Web Forms
- C#
- Visual Studio 2010
- DevExpress (UI components)
- SQL Server
- PagSeguro API

Architecture & Practices

- Multi-tier enterprise architecture
- Separation of concerns

- Component-based UI development