

# Cesar Jesus Sanchez

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## WORK EXPERIENCE

### **SoccQR (soccqr.com)**

**April 2025 – Present**

#### ***Full-Stack Software Developer & Product Owner***

Jacksonville, FL

- Designed and built a full-stack web application (soccqr.com) using Next.js, TypeScript, Supabase, and PostgreSQL, owning the product end-to-end from data modeling and discovery through deployment to support QR-code asset recovery, team management, and player activity tracking.
- Architected the relational data model and authenticated reporting layer in PostgreSQL, enabling coach and team dashboards for roster views, training logs, assignment tracking, scan history, and tag status reporting, with row-level security and role-based access for players, coaches, and admins.
- Conducted product discovery with coaches and parents to map use cases, prioritize features, and translate user needs into the data model, application logic, and reporting views that drive the platform.
- Shipped to production on Render with Supabase auth and storage, managing the full release cycle including environment configuration, schema migrations, and iterative feature releases based on real user feedback.

### **3Cloud – Data & AI**

**April 2024 – March 2025**

#### ***Consultant (Business Intelligence Analyst)***

Jacksonville, FL (Remote)

- Developed and deployed Power BI reporting for BayCare Health's Virtual ICU Power App, designing a structured semantic model and operational dashboards to support ticket management, hospital unit visibility, clinical operations, and leadership decision-making.
- Partnered with healthcare and business stakeholders to translate operational reporting needs into validated dashboard logic, metric definitions, reporting views, and user-facing insights.
- Led the BI workstream for a five-month Scholarship America modernization project, inventorying hundreds of SSRS, Power BI, custom, and Excel-based reports, mapping report ownership, usage, parameters, data sources, and business processes into Power BI semantic models and DAX measures while reducing manual reporting work by 5–10 hours weekly and saving an estimated \$52K annually.
- Collaborated with data engineers to implement a Databricks medallion architecture, leveraging bronze, silver, and gold layers to consolidate 30+ years of scholarship data across SQL Server, Oracle, and Cosmos DB.
- Built a Power BI workforce-planning solution integrating Salesforce skills and certification data into a Fabric SQL-based model with daily refreshes for leadership reporting and operational planning.

### **Navy Federal Credit Union – Real Estate Process Automation**

**August 2022 – April 2024**

#### ***Business Intelligence Analyst – Software Developer***

Jacksonville, FL (Remote)

- Built and enhanced full-stack internal workflow applications using SQL Server, C#, ASP.NET, React, HTML/CSS, APIs, and Visual Studio to support mortgage underwriting, document processing, and operational decision workflows.
- Designed the Condition-Document-Logic system with custom JSON syntax, automating document-to-condition logic for mortgage approval workflows and reducing manual research for internal users.
- Led the Underwriting Decision Logic initiative, creating a structured workflow for recording loan approval and denial decisions, improving review consistency, organization, and auditability.
- Contributed to an underwriting workflow application that delivered over \$3M in annual savings through automation, process improvement, and production workflow modernization.
- Partnered with business stakeholders, project managers, designers, and developers to translate workflow needs into user stories, acceptance criteria, system logic, QA scenarios, and production-ready application enhancements.
- Supported QA, defect resolution, and production validation for SQL-backed workflow applications used by Real Estate Lending teams, resolving 100+ bugs, client requests, and feature enhancements within SLA expectations.

### **Navy Federal Credit Union – Real Estate Data Solutions**

**May 2021 – August 2022**

#### ***Business Intelligence Analyst – Developer***

Pensacola, FL

- Developed, debugged, and maintained SQL-backed internal applications and reporting tools using SQL Server, C#, ASP.NET, Angular, HTML/CSS, and Visual Studio to support analytics, risk management, and operational teams.
- Converted a complex 1,500+ line SAS fraud model script into SQL Server, improving maintainability, modification speed, reliability, and redundancy for Real Estate Lending risk reporting.
- Built and optimized SQL queries, stored procedures, and database logic used by internal applications, Power BI reports, and recurring operational reporting processes.
- Led Power BI Report Server upgrade and downgrade support, including impact analysis, PowerShell scripting, report inventory review, and dashboard monitoring to minimize business disruption.

- Employed SQL expertise to extract data, enabling the creation of 16 Power BI dashboards, which were adopted by over 900 unique users in Real Estate Lending.
- Created a DAX-powered Performance Review calculator in Power BI for mortgage ops, reducing review times by 85%.
- Used SQL to extract, transform, and analyze operational data supporting mortgage processing, risk management, and leadership reporting.
- Analyzed three years of SAS fraud model performance and recommended variable and scoring adjustments.
- Developed a .NET task-tracking application used to manage 160,000+ operational tasks across a 12-person team.

## SIDE PROJECTS

### **PPP Loan Map (ppploanmap.com)**

*Interactive map of all 11.8M SBA Paycheck Protection Program loans (~\$800B in approved lending) with search by ZIP, business name, or state and live filters for loan amount, year, PPP per job, and forgiveness status.*

- Designed a Postgres data pipeline using a medallion architecture — bronze (raw ingest from Geocodio’s ~10 GB geocoded SBA PPP dataset, ~12M rows across 13 source files), silver (cleaned and conformed), and gold (aggregated views and RPC endpoints serving the app).
- Built the frontend in Next.js 15, TypeScript, and Tailwind with MapLibre GL and PostGIS-backed bounding-box queries that return clustered features at low zoom and individual records at high zoom; an earlier version reached the Hacker News front page (127 points, 73 comments).

### **E-Commerce Side Project**

*Backend automation and reporting tool for a personal e-commerce storefront, replacing a third-party platform’s native seller dashboard with custom SQL-backed views into orders, sales, fulfillment, and spend.*

- Built a Node.js / Express backend integrating third-party e-commerce REST APIs via OAuth and webhooks to sync orders, transactions, listings, and fulfillment data into a local PostgreSQL store.
- Developed SQL-backed dashboards on a stored-data reporting model covering revenue, product demand, inventory planning, fulfillment status, and ad spend, eliminating repeated API calls and providing visibility the source platform’s native dashboard does not.

## EDUCATION

**University of Florida**, Hough Graduate School of Business

**May 2020**

**Master of Science in Information Systems and Operations Management (MSISOM)**

Gainesville, FL

**Track:** Information Technology

**University of Florida**, Warrington College of Business

**May 2019**

**Bachelor of Science in Business Administration, Information Systems**

Gainesville, FL

## CERTIFICATIONS

- Power BI Data Analyst Associate (Microsoft Certified: PL-300)
- Azure AI Engineer Associate (Microsoft Certified: AI-102)
- Fabric Analytics Engineer Associate (Microsoft Certified: DP-600)

## TECHNICAL SKILLS

**Business Systems Analysis:** Requirements Gathering, Business Requirements Documentation, Functional Requirements Documentation, Data Mapping, Gap Analysis, Process Mapping, Change Management, Risk Analysis, Cost-Benefit Analysis, Stakeholder Communication, User Stories, Acceptance Criteria, Technical User Guides

**Testing & Quality:** QA Testing, UAT Support, Test Case Execution, Defect Management, Data Validation, Quality Control Audits, Production Support, SLA Management, Regression Testing, Business Rule Validation

**Data & Systems:** SQL Server, PostgreSQL, Oracle, Cosmos DB, Databricks, Fabric SQL, Stored Procedures, Views, SQL Query Optimization, Data Modeling, ETL/ELT, Data Quality, Data Transformation

**Business Intelligence & Reporting:** Power BI, DAX, Power Query, Semantic Models, SSRS, Power BI Report Server, KPI Reporting, Executive Dashboards, Operational Reporting, Self-Service BI

**Web & Application Development:** Next.js, React, TypeScript, JavaScript, Node.js, Express, C#, ASP.NET, Supabase, PostgreSQL, PostGIS, REST APIs, OAuth, Webhooks, Tailwind CSS, MapLibre GL, HTML/CSS

**Delivery & Tools:** Agile Delivery, Sprint Planning, Backlog Refinement, GitHub, Azure, Microsoft Fabric, PowerShell, Visual Studio, JSON, Bash