

# Gabriela Morales

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## FULL STACK ENGINEER & SYSTEMS ARCHITECT

Full-Stack Software Engineer with 3+ years of experience building enterprise systems across manufacturing, financial services, and e-commerce. Proven ability to single-handedly architect and deploy production applications serving multiple office locations (300,000+ lines of code) while maintaining 99.5% uptime. Expert in React, Node.js, ASP.NET, C#, SQL Server, Python, and AWS with extensive API integration experience (QuickBooks, Shopify, SAP, Poizon, GOAT). Demonstrated success reducing operational processing time by 70%, achieving 90% error reduction through automation, and delivering scalable cloud solutions on AWS, Azure, Railway, and Cloudflare. AWS Certified Solutions Architect with consulting experience at Capgemini serving Fortune 500 clients including Bank of New York Mellon and Vanguard.

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## PROFESSIONAL EXPERIENCE

Dini Wigs

Novemeber 2024 - Present

### **Full-Stack Application Development:**

- Architected full-stack application with React frontend (53+ components), Node.js/Express backend (77+ REST endpoints), ASP.NET Web Forms, and normalized SQL Server database (15+ interconnected tables)
- Built sophisticated Work Order Entry wizard managing custom orders from consultation through production, payment processing, digital signatures, and document generation with real-time status tracking
- Developed real-time manufacturing workflow system with room-based task tracking, worker assignment, production scheduling, and quality control checkpoints managing high-value inventory across multiple facilities
- Designed complex room-tracking and transfer functionality ensuring precise location tracking, chain of custody, and transfer validation with automated audit trails and accountability logging
- Created comprehensive CRM module with customer profiles, order history, appointment scheduling with calendar views (day/week/month), and warranty management system

### **API Integrations & Automation:**

- Integrated QuickBooks Online API with OAuth 2.0 for automated invoicing, payment recording, customer sync, and real-time financial reconciliation, eliminating 10+ hours of manual entry weekly
- Built Invoice4U integration for Israeli tax-compliant invoicing with VAT handling, implementing Cloudflare Worker proxy for secure API communication
- Integrated Google Drive API using service account delegation for automated document storage and customer agreement uploads
- Developed SMS client communication system integrating third-party APIs with C# webhooks using Ngrok for dynamic client reply processing, enabling automated messaging and real-time customer updates
- Engineered n8n automation workflows with custom webhooks orchestrating real-time payment processing and transaction synchronization

### **Cloud Infrastructure & DevOps:**

- Designed multi-cloud architecture on Railway (backend API), Cloudflare Pages (frontend), Cloudflare Workers (security proxy), and Azure (SQL Database, VMs) with dev/staging/production environments
- Managed IIS web servers on Azure VMs ensuring high availability, troubleshooting production issues, and maintaining 99.5% uptime
- Implemented Cloudflare Workers as security proxy layer handling CORS policies, request routing, and API key protection
- Maintained legacy ASP.NET/C# applications while building modern Node.js system, ensuring seamless data synchronization during modernization

### **Database Design & Optimization:**

- Designed normalized SQL Server schema with 15+ tables supporting complex relationships using SQL transactions and robust error handling
- Implemented concurrent order number generation with database-level locking (UPDLOCK, ROWLOCK, HOLDLOCK) preventing race conditions
- Optimized queries reducing inventory lookup times by 60% with real-time filtering across 11+ product attributes
- Built comprehensive system logging and audit trails for inventory movement ensuring data integrity and traceability

**Technical Stack:** React.js, Node.js, Express.js, ASP.NET, C#, JavaScript, SQL Server, MongoDB, Azure, Railway, Cloudflare, IIS, QuickBooks API, Google Drive API, OAuth 2.0, n8n, jsPDF

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**OscarSoles LLC | Data Engineer | March 2024 - November 2024 | Hybrid | Secaucus NJ**

Developed API integrations for e-commerce platforms (GOAT, Shopify, Poizon) automating data syncs with MySQL, building SKU tracking systems, and creating centralized listing management. Automated SAP data exports using Python and Windows Task Scheduler.

Analyzed sales performance in NetSuite Oracle using Pandas, automated payroll operations with Python and VBA (saving 10+ hours weekly), deployed AWS Lambda functions for audio processing, and built interactive dashboards using Tableau and Power BI.

**Capgemini | Data Analyst, Python Developer & Cloud Engineer | January 2022 - January 2024 | Hybrid | NYC**

Consulting roles serving Fortune 500 clients including Bank of New York Mellon (data quality/Python automation), Vanguard (data pipelines/Power BI), and Protegrity (AWS infrastructure configuration). Leveraged Collibra DQ, Informatica IDQ, Python (Pandas), SQL, and AWS (EC2, S3, IAM) for enterprise data engineering and cloud solutions.

**University of South Carolina Beaufort | ITSS Student Helpdesk Technician | March 2020 - December 2021**

Managed Tier 1 technical support across campuses using ticketing systems, resolving hardware/software issues for students and faculty.

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EDUCATION

**Bachelor of Science in Computer Science and Technology – University of South Carolina | December 2021**

Relevant Coursework: Data Structures, Algorithms, Database Systems, Software Engineering, Web Development, Cloud Computing

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate | December 2022
- AWS Certified Cloud Practitioner – Foundational | September 2022
- DAML Fundamentals Certification – Associate | January 2024

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TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, C#, SQL, HTML5, CSS3, TypeScript

Frontend: React.js, ASP.NET Web Forms, responsive design, component architecture, React Hooks, Context API

Backend: Node.js, Express.js, ASP.NET, RESTful APIs, JWT authentication, webhooks, serverless functions

Database: SQL Server, MySQL, MongoDB, Azure SQL, stored procedures, query optimization, data modeling

Cloud & DevOps: AWS (Lambda, S3, EC2, IAM, Amplify, Route 53), Azure (VMs, SQL), Railway, Cloudflare Pages/Workers, IIS

Data Engineering: Python (Pandas, data pipelines), ETL processes, SAP integration, data visualization, Power BI, Tableau

API Integration: QuickBooks Online, Google Drive, Invoice4U, Shopify, GOAT, Poizon, OAuth 2.0, REST/SOAP APIs

Tools: Git, n8n automation, Postman, Visual Studio, VS Code, Ngrok, Jira, NetSuite Oracle, Windows Task Scheduler

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*References, portfolio of private repositories, and detailed discussion of pre-2024 experience available upon request. Please contact me to schedule a technical interview or code review session.*