JONATHAN ANDUJO

SENIOR SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Results-driven **Senior Software Engineer** with **18+ years** of experience architecting high-performance, scalable solutions. Currently at **Microsoft**, leading AI-powered automation initiatives with Copilot Studio and Azure Machine Learning. Passionate about mentoring teams, optimizing system performance, and delivering solutions that generate measurable business impact. Expert in .NET Core, C#, SQL Server, Azure, and AI/ML technologies.

PROFESSIONAL EXPERIENCE

Senior Software Engineer   August 2021 - Present
Microsoft, Redmond, USA

- Architected a **scale testing solution for Copilot Studio** using Power Automate to orchestrate SFT and RFT workflows across multiple Azure Machine Learning sandboxes. Built an automation tool enabling configurable scheduling for workflow frequency and volume.
- Achieved **800,000 requests/second** throughput end-to-end by migrating an API from .NET Framework to .NET 9, significantly enhancing system performance and scalability.
- Engineered an internal portal serving **10,000+ concurrent users**, streamlining project management across multiple data sources.
- Optimized SQL stored procedures, reducing query time from **2s to 150ms**, enabling **10x traffic capacity** on existing infrastructure.
- Mentored **3 interns** in developing a robust Azure Data Factory pipeline management platform using React, .NET Core, SpecFlow, and Playwright.

Lead Software Engineer   November 2020 - August 2021
Civix, Monterrey, México

- Mentored developers on SOLID principles and clean code architecture in C# and .NET.
- Optimized stored procedure execution time by **90%** on SQL Server.
- Identified and resolved slow queries using SQL Profiler, improving database performance.

Software Engineer Lead / Architect   January 2019 - October 2020
Tiempo Development, Guadalajara, México

- Led team to architect Azure-hosted solutions from scratch, serving **3,000+ users** using .NET Core 3.1 and Angular.
- Reduced production bugs by **21%** through comprehensive unit testing with NUnit and Moq.

Software Engineer Lead / Architect   April 2018 - January 2019
Grupo Ultra, Cancún, México

- Designed warehouse printing solution eliminating label reprints, saving **$10,000+** in operational costs.
- Reduced commission calculation time by **85%** through proper architecture design using .NET Core 2.1 and Angular.

Software Lead   October 2016 - April 2018
Best Day Travel Group, Cancún, México

- Developed architecture handling **150,000+ requests/second**, ensuring scalability and reliability for travel platform.
- Implemented Redis caching layer, boosting portal performance by **50%**.
- Integrated vendor pricing interfaces, achieving **15% average cost savings**.

Software Engineer Lead   June 2014 - September 2016
TAC Global Solutions, Chihuahua, México

- Developed mobile warehouse management app enabling real-time inventory tracking and cost forecasting.
- Designed CRM sales funnel KPIs: increased lead conversion by **15%**, reduced sales cycle by **10%**.
- Built geolocation analytics system, driving **5% increase** in regional marketing ROI.
- Optimized material consumption tracking: reduced overstock by **20%**, achieved **12% cost savings**.

Earlier Experience   2007 - 2014
Various Companies, Chihuahua, México

- **ADS Systems**: Implemented RFID telemetry payment system; built payroll system with Mexico tax integration in 4 weeks.
- **Eadvantage**: Developed e-commerce platform for industrial automation; worked with pneumatic systems, servomotors, and microcontrollers.
- **Vytes.net (Founder)**: Built electronic invoicing SaaS supporting **40+ clients** at under **$50/month** infrastructure cost; processed **60,000 requests in 25 minutes** on free-tier server.

AREAS OF EXPERTISE

PROFESSIONAL SKILLS
- Technical Leadership
- Team Mentorship
- Architecture Design
- Performance Optimization

TECHNICAL SKILLS
- Dotnet Core
- .Net Framework
- C#
- SQL Server
- Entity Framework
- React
- Angular (7,10)
- Angular.js
- Vue.js
- Azure
- Blob Storage
- Function app
- Storage
- Queue
- Pipeline
- App Service
- Logic Apps
- Azure Data Factory
- Azure Machine Learning
- Copilot Studio
- Power Automate
- Kusto
- AWS
- S3
- EC2
- IAM
- RDS
- Elastic Beanstalk
- Route 53
- CodeBuild
- Cognito
- CodePipeline
- CodeCommit
- Lambda

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals
Microsoft, June 2020

Cloud Practitioner Essentials (Second Edition)
AWS, May 2020

EDUCATION

Master's degree in IT Management
TecMilenio University

Bachelor's degree in IT Engineering
Universidad Tecnológica de Chihuahua