

ARVIN JAYSON CASTRO

Senior Full-Stack Engineer

15+ Years Experience | Enterprise Systems | Multi-Tenant SaaS Platforms | Cloud Architecture

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Portfolio: arvinjaysoncastro.com

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 15+ years building scalable enterprise and multi-tenant SaaS platforms. Strong architectural foundation in domain modeling, identity systems, and long-term system design.

Proven track record architecting and delivering production-ready systems at scale.

TECHNICAL SKILLS

Programming: C#, JavaScript, TypeScript, SQL

AI & Applied AI Systems: Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Vector Embeddings, Semantic Search, Prompt Engineering, AI API Integration

Frontend: React, Next.js, Angular, HTML, CSS, Tailwind, Bootstrap

Backend: .NET Core, ASP.NET MVC, ASP.NET Web API, Node.js (Express), RESTful API Design & Development

UI/UX & Design: Figma, Paint.NET, SVG Font Design

Architecture: Domain-Driven Design (DDD), CQRS, Modular Monolith, Microservices

Identity: Microsoft Azure AD (Entra ID), Role-Based Access Control (RBAC), OAuth 2.0, JWT, B2C

Databases: PostgreSQL, SQL Server, MongoDB, EF Core, Prisma, Neon

Cloud & DevOps: Azure, AWS, Docker, CI/CD, Git, GitFlow, Vercel, Render, Infrastructure & Deployment Automation

PROFESSIONAL EXPERIENCE

Senior Systems Engineer

TerraBarn Inc, Aug 2025 – Present

- Designed and implemented scalable multi-tenant SaaS architecture.
- Established system invariants to improve reliability and reduce long-term fragility.
- Translated complex business requirements into maintainable, production-ready solutions.
- Delivered high-quality features end-to-end with documentation and ownership.
- Contributed to architectural decisions and cross-team technical alignment.

Senior Full Stack Engineer

Comrise Risewave / Willis Towers Watson, December 2024 – August 2025

- Delivered enterprise-grade Income Review modules supporting financial data processing.
- Designed a configurable reporting engine with rule-based validation pipelines.
- Built scalable backend services focused on performance, reliability, and maintainability.
- Modeled database schemas and managed migrations for evolving business requirements.

Senior Full-Stack Engineer / Technical Architect

AOTech, February 2020 – November 2024

- Delivered a multi-tenant Learning Management System (LMS) from architecture to production.
- Implemented scalable tenant isolation and role-based access control (RBAC).
- Built authentication and authorization flows for secure multi-tenant environments.
- Developed configurable business rule engine for complex workflow automation.
- Designed and implemented backend services and frontend architecture.
- Established CI/CD pipelines and engineering standards for production readiness.
- Led technical direction while actively contributing across the full stack.

Full Stack Developer

Kinetic Staffing, May 2016 – February 2020

- Delivered enterprise organization and role management platform.
- Built dynamic form builder and reporting dashboards end-to-end.
- Designed REST APIs and optimized database models for performance and scalability.

Software Engineer / UI-UX Specialist

Rumble Asia / Coffey International, September 2013 – May 2016

- Delivered enterprise portals and reporting systems.
- Built analytics dashboards and performance tracking applications end-to-end.
- Implemented responsive UI architecture and backend integrations.

Software Engineer

Trinko Inc / Optimum Innovatus / DBSoft / Pointwest, June 2010 – August 2013

- Delivered real-time reporting and back-office systems.
- Built streaming integrations and operational dashboards.
- Developed SMS notification and enterprise web solutions.
- Migrated legacy platforms to modern web architecture.

EDUCATION

Bachelor of Science in Computer Science

University of Santo Tomas, 2006 – 2010