

ARVIN JAYSON CASTRO

Senior Full-Stack Engineer (Architecture Lead)

15+ Years • 20+ Production Systems • Multi-tenant SaaS • Distributed Systems • Cloud Architecture

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Portfolio: arvinjaysoncastro.com

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 15+ years building and delivering scalable production systems.

Specializes in multi-tenant SaaS platforms, identity systems, and long-term architecture that holds under real-world scale and operational pressure.

Proven track record of turning complex business requirements into reliable, maintainable systems used in production environments. Extending architecture expertise into serverless systems using AWS Lambda and GraphQL (AppSync).

TECHNICAL SKILLS

Core Stack: C#, Node.js, TypeScript, SQL, .NET Core, Angular, React, Next.js

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

Identity & Security: Azure AD (Entra ID), RBAC, OAuth2, JWT, B2C

AI Systems: LLMs, RAG, Vector Search, Prompt Engineering, AI API Integration

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

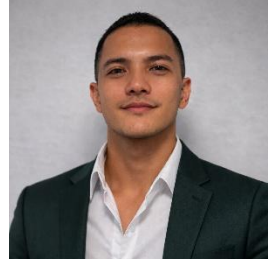
Cloud & DevOps: AWS (Lambda, AppSync, Serverless), Azure, Docker, CI/CD, Vercel, Render

PROFESSIONAL EXPERIENCE

Senior Full-Stack 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.

Solutions Architect (Hands-on Full-Stack)

AOTech, February 2020 – November 2024

- Architected and delivered a production-grade multi-tenant Learning Management System (LMS) supporting scalable tenant growth
- Designed architecture across frontend, API and data layers as the primary technical driver
- Implemented tenant isolation and role-based access control (RBAC) for secure multi-organization environments
- Built authentication, authorization, and workflow systems supporting business operations
- Established CI/CD pipelines and engineering standards for production readiness
- Applied GraphQL-based data access patterns and resolver-driven API design
- Led technical direction while actively delivering across the full stack

Senior 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