



# ARVIN JAYSON CASTRO

## Senior Full-Stack Engineer | Technical Architect

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

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Portfolio: [arvinyaysoncastro.com](http://arvinyaysoncastro.com)

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### PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 15+ years experience designing scalable enterprise and multi-tenant SaaS platforms. Deep expertise in modern web architectures, secure identity systems, and cloud-native backend services. **Proven track record architecting and delivering production-ready systems at scale.**

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### 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

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### PROFESSIONAL EXPERIENCE

Senior Systems Engineer

TerraBarn Inc, Aug 2025 – Present

- Architect multi-tenant SaaS platforms.
- Establish system invariants to reduce long-term fragility.
- Translate business requirements into scalable system designs.
- Deliver production-ready solutions with documentation and ownership.
- Provided technical leadership for architecture and design initiatives.

## Senior Full Stack Engineer

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

- Delivered enterprise Income Review modules enabling scalable financial data processing.
  - Architected configurable reporting engine with business rule validation pipelines.
  - Built scalable backend services improving performance and maintainability.
  - Designed database schemas and managed migrations to support evolving requirements.
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## Senior Full-Stack Engineer / Technical Architect

AOTech, February 2020 – November 2024

- Architected and delivered a multi-tenant Learning Management System (LMS).
  - Designed scalable tenant isolation and role-based access control (RBAC).
  - Led identity, authentication, and authorization workflows.
  - Built configurable business rule engine supporting complex workflows.
  - Directed system architecture, backend services, and frontend structure.
  - Established engineering standards, CI/CD pipelines, and DevOps practices.
  - Managed full SDLC from architecture to production deployment.
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## Full Stack Developer

Kinetic Staffing, May 2016 – February 2020

- Delivered organization and role management platform for enterprise environments.
  - Built dynamic form builder and reporting dashboards.
  - Designed scalable APIs and backend services, optimized database models and queries
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## Software Engineer / UI-UX Specialist

Rumble Asia / Coffey International, September 2013 – May 2016

- Designed and developed enterprise portals and reporting systems.
  - Built analytics dashboards and performance tracking applications E2E.
  - Led frontend UI implementation with responsive design principles.
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## Software Engineer

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

- Delivered real-time reporting and back-office management platform.
  - Implemented streaming integrations and operational dashboards.
  - Developed SMS notification systems and enterprise web applications.
  - Migrated legacy platforms to mobile web architecture.
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## EDUCATION

Bachelor of Science in Computer Science

University of Santo Tomas

2006 – 2010