



# 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 Full Stack Engineer

Comrise Risewave / Willis Towers Watson

2024 – Present

- 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.
- Led frontend architecture to enhance modularity and component reuse.
- Designed database schemas and managed migrations to support evolving requirements.
- Applied Domain-Driven Design (DDD) and modular architecture principles across services.

## Senior Full-Stack Engineer / Technical Architect

AOTech | 2020 – 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 | 2016 – 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 query performance.
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## Software Engineer / UI-UX Specialist

Coffey International | 2013 – 2016

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

Trinko Inc | 2012 – 2013

- Delivered real-time reporting and back-office management platform.
  - Implemented streaming integrations and operational dashboards.
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## Software Developer

Optimum Innovatus / DBSoft / Pointwest | 2010 – 2012

- Developed SMS notification systems and enterprise web applications.
  - Migrated legacy platforms to mobile web architecture.
  - Built e-commerce modules and resource management tools.
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## EDUCATION

Bachelor of Science in Computer Science

University of Santo Tomas

2006 – 2010