

Lucas Munoz

Vice President of Software Engineering

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SUMMARY

Vice President of **Software Engineering** with 16+ years guiding enterprise platform strategy, **.NET** delivery, **architecture**, and production execution across capital markets, wealth management, and investor communications. Builds high-performing engineering organizations while remaining engaged in event-driven design, standardized APIs, common ontologies, **application infrastructure**, testing, debugging, and secure delivery. Translates business and regulatory needs into practical technology decisions, then brings product, operations, security, compliance, and executive partners into delivery plans they can support. Led high-risk modernization programs across 120 engineers and more than 80 connected applications, improving release coordination and service continuity. Ready to bring hands-on leadership, sound judgment, and genuine care for engineering teams to Meridian Ledger Systems.

EXPERIENCE

Vice President, Platform Engineering

Northstar Market Infrastructure 📅 June 2023 - Present 📍 New York, NY

Direct enterprise engineering strategy and delivery for a multi-domain integrated platform serving capital markets, **wealth management**, and **investor communications**. Lead seven teams and 120 engineers across shared APIs, event contracts, architecture governance, regulatory traceability, production readiness, and executive investment planning.

- Reorganized seven engineering teams around platform capabilities and domain ownership, adding quarterly planning and **architecture** reviews that clarified milestones for 120 engineers.
- Guided migration from point-to-point integrations into **Kafka** event flows and a governed **.NET** service framework, improving release coordination across more than 80 connected **applications**.
- Chaired canonical business ontology, API versioning, and resiliency decisions, reconciling competing product needs while preserving regulatory traceability.
- Embedded threat modeling, audit evidence, **automated testing**, and production readiness checks into Agile delivery with security, compliance, product, and operations partners.
- Presented modernization options, business risks, and staged funding needs to executive sponsors, protecting service continuity for institutional clients.

Senior Vice President, Software Architecture

HarborPoint Financial Technologies 📅 March 2019 - May 2023 📍 Jersey City, NJ

Owned architecture direction for a **.NET** and Azure portfolio supporting trade processing, account servicing, and client communications across 40 business workflows. Led a 55-person engineering and architecture organization through service decomposition, event standards, distributed operations, and regulatory delivery decisions.

- Led a 55-person engineering and **architecture** organization through legacy decomposition into independently deployable services using **domain-driven design** and incremental migration plans.
- Established **API governance**, event-schema standards, and automated contract testing, making release dependencies visible earlier for product teams.
- Directed modernization across **SQL Server**, Kafka, **Azure** Service Bus, and distributed tracing, balancing throughput, recovery objectives, and records-retention needs.
- Worked with legal, risk, and compliance partners to anticipate impacts on data lineage, access controls, and operating procedures before production deployment.
- Coached directors and technical leads on estimation, incident learning, architecture documentation, and stakeholder communication across high-risk initiatives.

Vice President, Application Engineering

Crescent Ridge Capital Services 📅 July 2016 - February 2019 📍 Boston, MA

Led application engineering for **investor communications** and wealth management services, coordinating six product teams and external partners. Connected product requirements with technical designs, **.NET** modernization, testing, regulatory reporting, production telemetry, and dependable client service.

- Replaced tightly coupled **.NET** components with **REST APIs** and asynchronous workflows, reducing shared deployment dependencies for client-facing releases.
- Introduced **code** review, automated unit and integration testing, **debugging** practices, and release checklists across 30 production applications.
- Reviewed **system requirements** and **business processes** with product owners, converting ambiguous servicing needs into sequenced designs and acceptance criteria.
- Managed a regulatory reporting enhancement across engineering, operations, and compliance, preserving historical data and client notification controls.

- Used production telemetry and post-incident analysis to prioritize error-handling improvements and give senior leaders clearer operational-risk visibility.

Director, Software Development

BlueHarbor Wealth Systems 📅 August 2013 - June 2016 📍 Charlotte, NC

Managed three **.NET development** teams delivering account administration, advisor workflow, and client-document services for a wealth management platform. Set **delivery practices**, service boundaries, Azure deployment patterns, and leadership development plans that connected engineering output with customer commitments.

- Defined **program logic**, service boundaries, and database changes for new applications while safely modifying legacy components used by advisors and service representatives.
- Implemented **Scrum** ceremonies, technical backlog refinement, and release readiness reviews, connecting engineering work with business milestones.
- Built a shared REST API layer and reusable authentication components, shortening onboarding for five internal product groups and improving experience consistency.
- Partnered with infrastructure engineers on Azure deployment patterns, configuration management, monitoring, and recovery exercises for customer-facing applications.
- Developed team leads through design reviews and mentoring, increasing independent ownership of testing, documentation, production support, and stakeholder updates.

Software Engineering Manager

Redwood Exchange Solutions 📅 September 2010 - July 2013 📍 Atlanta, GA

Supervised a 12-person development team building C# and .NET applications for trade operations, reconciliation, and investor account servicing. Combined technical delivery, defect investigation, Agile planning, release validation, and developer coaching across concurrent client implementations.

- Translated business requirements into technical designs, **program logic**, test cases, and deployment documentation for new workflow modules.
- Introduced continuous integration, automated regression testing, and peer review, giving operations partners more predictable release validation.
- Coordinated defect investigation across application, database, and infrastructure teams using logs and SQL analysis for time-sensitive financial workflows.
- Supported Agile planning and milestone tracking across client implementations, surfacing dependencies early and aligning work with contractual deliverables.
- Created onboarding guides and workshops covering **C#**, **.NET** debugging, secure coding, and support procedures for developing engineers.

PROJECTS

Integrated Event Platform Modernization 📅 2025

Built a cross-domain platform blueprint connecting financial-services products through Kafka event contracts, standardized REST APIs, a common ontology, and resilient .NET services. Shared architecture decisions with product, compliance, and operations partners so delivery stayed practical for client-facing teams.

Azure Distributed Services Migration 📅 2022

Directed phased migration of legacy workflows into Azure services with SQL Server, Azure Service Bus, distributed tracing, automated contract testing, and recovery objectives. Created shared decision records that helped engineering leaders agree on sequencing, controls, and production support.

Regulatory Reporting Delivery Framework 📅 2018

Coordinated engineering, operations, legal, and compliance partners around reporting changes, historical data preservation, access controls, audit evidence, and client notification workflows. Introduced milestone reviews that kept complex delivery visible without interrupting service.

LEADERSHIP & AWARDS

- Technology Leadership Excellence Award, Northstar Market Infrastructure, 2025
- Architecture Innovation Award, HarborPoint Financial Technologies, 2021
- Recognized by senior stakeholders for clear guidance across high-risk platform modernization programs.

EDUCATION

Bachelor's Degree in Computer Science

Georgia State University 🎓 GPA: 3.7 📅 2010 📍 Atlanta, GA

Coursework: *Software Engineering, Database Systems, Computer Networks, Algorithms*

CERTIFICATIONS

- Microsoft Certified: Azure Solutions Architect Expert 📅 2022
- Microsoft Certified: Azure Developer Associate 📅 2019
- Professional Scrum Master I 📅 2017

TECHNICAL SKILLS

- **Programming:** C#, .NET, ASP.NET Core
- **Cloud Platforms:** Microsoft Azure, Azure App Service, Azure Functions
- **Messaging Systems:** Kafka, Azure Service Bus, Event Hubs
- **API Technologies:** REST APIs, API versioning, API governance
- **Data Platforms:** SQL Server, relational databases, data lineage
- **Architecture Methods:** Event-driven architecture, domain-driven design, distributed systems
- **Quality Engineering:** Unit testing, integration testing, automated contract testing
- **Delivery Practices:** Agile, Scrum, continuous integration
- **Operations Tools:** Distributed tracing, observability, production telemetry
- **Security Controls:** Threat modeling, secure SDLC, access controls
- **Financial Services:** Capital markets, wealth management, investor communications
- **Engineering Governance:** Architecture reviews, event schemas, common ontologies

SKILLS

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|-----------------------------------|---------------------|-----------------------------|-----------------------|
| • Software Engineering Leadership | • Azure | • SQL Server | • Distributed Systems |
| • .NET | • REST APIs | • Event-Driven Architecture | • Automated Testing |
| • C# | • Kafka | • Domain-Driven Design | • Agile |
| • ASP.NET Core | • Azure Service Bus | • API Governance | |

PROFESSIONAL AFFILIATIONS

- Mentor, Delaware Technology Council Engineering Leadership Forum, 2024 - Present
- Advisory Member, Financial Services Open API Working Group, 2022 - Present

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST