

Bryan Tanner

Director of Software Engineering

Lucedale, MS (Open to Remote) • 601-508-0910 • btanne6@gmail.com • linkedin.com/in/bryan-tanner

PROFESSIONAL SUMMARY

Engineering leader with 15+ years of progressive software development experience, culminating in Director of Software Engineering at SS&C Technologies. Leads 6 development teams across 15 engineers, driving technical strategy, roadmap planning, and organizational excellence for a mission-critical fintech platform serving thousands of financial advisory firms. Proven track record of architecting enterprise-scale data systems — including real-time data warehousing across terabytes of financial data and a platform-wide auditing framework processing millions of record changes daily. Deep technical roots in .NET, C#, SQL Server, and distributed systems, balanced with strong leadership in hiring, team development, and cross-functional alignment. Currently spearheading organizational AI adoption strategy, establishing security governance frameworks and ROI measurement standards.

CORE COMPETENCIES

- Engineering Leadership
- Team Building & Mentorship
- Technical Strategy & Roadmaps
- Hiring & Workforce Development
- Data Architecture & ETL
- Distributed Systems Design
- Platform-Wide Architecture
- AI Adoption & Governance
- C# / .NET / SQL Server
- Financial Technology (FinTech)
- API Design & Integration
- Agile Delivery & Process

EXPERIENCE

Director of Software Engineering

SS&C Technologies – Black Diamond Wealth Platform • Remote • April 2025 – Present

- Lead 6 cross-functional development teams comprising 15 engineers, overseeing technical direction, performance management, and career development across a large-scale wealth management platform.
- Serve as platform-wide architect and senior technical consultant, aligning engineering execution with business objectives and establishing cross-team technical standards and patterns.
- **Data Warehousing & ETL:** Pioneered the platform’s data warehousing and ETL infrastructure, enabling real-time and dynamic reporting across terabytes of financial data — a foundational capability now underpinning platform-wide analytics and client reporting.
- **Auditing Framework:** Designed and delivered an enterprise-wide auditing framework consolidating change events from multiple data sources across millions of records daily into a high-performance, user-facing audit trail — significantly enhancing compliance posture and operational transparency.
- **AI Strategy & Governance:** Leading development of organizational guidelines for AI tool adoption across engineering teams, defining security constraints, processing efficiency standards, and measurement frameworks for quantifying improvement from AI-assisted workflows.
- Drive engineering hiring, staffing, and training initiatives, building technical bench strength and cultivating a culture of continuous learning and engineering excellence across all teams.

Staff Software Engineer

SS&C Technologies – Black Diamond Wealth Platform • Jacksonville, FL • 2018 – April 2025

- Served as a principal technical contributor and platform architect, influencing system design, coding standards, and architectural patterns across multiple product teams.
- **Bulk Data Processing Platform:** Led design and delivery of a high-throughput bulk data processing engine enabling financial advisors to import accounts, portfolios, transactions, and pricing data at scale, with full auditing, fault tolerance, and extensibility for future bulk workloads.

- **NoSQL Adoption:** Championed the introduction of MongoDB for document-oriented data storage, building the business case and driving infrastructure planning to complement existing SQL Server systems with flexible, non-relational data patterns.
- Collaborated closely with product and business stakeholders to translate complex financial domain requirements into scalable, maintainable software architecture used across the platform.

Senior Software Engineer

Advent Software – Black Diamond (acquired by SS&C Technologies) • Jacksonville, FL • June 2016 – 2018

- Platform engineer contributing to core financial data infrastructure during a period of significant growth and organizational transformation following SS&C's acquisition of Advent Software.
- Established data handling patterns and system design conventions that informed later platform-wide architectural decisions.

Senior Software Engineer / Operations Research

CSX Transportation • Jacksonville, FL • June 2014 – June 2016

- Led a team of seven engineers on a \$750K industry-leading rail car repair application deployed across the CSX network, serving as technical lead across a multi-language architecture spanning C++, Java, Delphi, PL/SQL, and Angular.
- Designed and delivered a statistical asset life cycle visualization platform analyzing thousands of rail assets across traffic, usage, and weather variables — directly improving resource allocation, reducing train delays, and enhancing overall rail system safety.
- Applied digital signal processing using Python and Hadoop to distributed acoustic sensor data captured via fiber optic cable along active rail lines, enabling proactive detection of track and equipment defects such as flat wheels.
- Built an automated rail yard performance metrics system, replacing manual analysis with statistical reporting that gave production managers actionable operational insight.

Software Development Analyst

Huntington Ingalls Industries • Pascagoula, MS • March 2010 – June 2014

- Lead developer of a timekeeping system supporting 10,000+ employees across multiple union-agreement-compliant classifications, built on ASP.NET with an offline-capable Windows Mobile client synchronizing via MSMQ.
- Developed a disciplinary and safety action tracking system for HR management, with SSRS dashboards surfacing workforce safety metrics and pattern analysis.
- Built a multi-threaded C# load testing tool simulating realistic Gaussian user load distributions — adopted org-wide for pre-production stress testing of database and application systems.
- Led replacement of multiple legacy HR, Payroll, and Finance systems, moving a historically mainframe-centric defense manufacturer to modern in-house distributed platforms.

EDUCATION

Master of Business Administration (MBA)

University of Florida – Warrington College of Business • Gainesville, FL • Cum Laude

Master of Science, Industrial and Systems Engineering

University of Florida • Gainesville, FL • Cum Laude

Bachelor of Science, Computer Science • Cum Laude • Minors: Mathematics, Physics

Florida State University • Tallahassee, FL • December 2013

TECHNICAL SKILLS

Languages: C#, SQL, Python, JavaScript, C, C++, Go

Frameworks & Technologies: .NET / ASP.NET Core, Dapper, WebAPI, REST APIs, Microservices, Azure (API Hosting)

Data & Architecture: SQL Server, Snowflake, PostgreSQL, MongoDB, Data Warehousing, ETL/ELT, CDC, AWS Bedrock

Leadership & Process: Engineering Management, Hiring & Staffing, Technical Mentorship, Roadmap Planning, Agile/Scrum, AI Governance