

Daniel J. McGuire

SENIOR FINANCIAL SOFTWARE ENGINEER & DATA ANALYST

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Senior Financial Software Engineer & Data Analyst with 20+ years of domain leadership in investment accounting platforms, enterprise data management, and client onboarding. Subject matter expert in finance application data modeling, cross-system data mapping, data quality, and cloud architectures (Azure, Snowflake). Proven track record of bridging client requirements with complex technical solutions, modernizing financial data architecture, and leveraging advanced analytics and AI/automation tools (Python, Cursor AI, SQL) to drive operational efficiency.

EXPERIENCE

Financial Data Analyst / Software Engineering

08/2024 – Present

Dedham, MA

FundGuard

- Lead the design and execution of data mapping frameworks and target data architecture to ensure seamless data integration across enterprise finance applications.
- Partner closely with Product Managers, Data Engineers, and Data Architects to validate complex datasets, enforce data governance, and optimize data pipeline performance.
- Develop and implement scalable, real-world financial use cases and data models to enhance platform capability, data consistency, and reporting solutions.
- Collaborate on Proof of Concept (PoC) initiatives, onboard key client enterprise workflows, and ensure high quality and health across client production environments.
- Support modern AI and development workflows using Cursor AI and Python to automate data analysis tasks.
- Write and push production-level code (Java, JavaScript) to resolve software bugs, optimize reporting queries, and deliver targeted feature enhancements.
- Utilize modern AI-assisted development tools (Cursor AI) and Git version control to accelerate software debugging, refactor backend scripts, and maintain pipeline health.

Business Implementation Analyst / Project Delivery Specialist

03/2022 – 08/2024

Boston, MA

State Street / Deloitte

I worked on the SSGA and Nuveen Alpha Conversions both at State Street. In January 2023, a section of State Street employees were transitioned to Deloitte, but we still worked on the same projects. The SSGA project was focused on implementing a new performance product. The Nuveen project was converting Nuveen onto the State Street transaction processing platform.

- Led cross-functional onboarding and implementation lifecycles, translating business requirements into technical functional specifications and system architecture solutions.
- Conducted comprehensive gap analysis between legacy databases (SQL Server) and cloud environments (Snowflake) to ensure complete data integrity, standard compliance, and data quality.
- Designed and configured data interfaces and data share specifications for clients, ensuring secure and seamless data access for financial decision-making.
- Oversaw project implementation timelines, cost structures, and risk mitigation strategies while keeping key executive stakeholders aligned.
- Served as Subject Matter Expert in Snowflake database administration, querying, data sharing, and architecture configuration.

Senior Product Development Analyst

06/2015 – 12/2021

Wellesley, MA

Eagle Investment Systems

- Collaborated with Product Management and engineering teams to define functional requirements, technical specifications, and system enhancements for enterprise accounting platforms.
- Communicated project progress, deliverables, and timelines across global stakeholders and led weekly coordination across offshore development teams.
- Managed, maintained, and automated 1,000+ daily regression test cases utilizing Jenkins, JavaScript, and SQL to ensure software reliability.

- Reviewed and approved junior developer code (SQL, Java) on GitHub and edited database tables/schema to accommodate core functional enhancements.
- Conducted client-facing platform demonstrations and delivered training sessions across internal teams for major software updates.

Product Development Analyst

11/2010 – 05/2015

Wellesley, MA

Eagle Investment Systems

- Partnered with QA teams to author functional documentation, user guides, and test plans for software releases and system integrations.
- Enhanced core platform engines (STAR) to process intraday, capital, and income NAV allocations across diverse asset classes.
- Reviewed C++ code for system integrations (NASDAQ module) and utilized Unix and Win Merge to deploy code fixes across dev, QA, and production environments.

Lead Supervisor – Client Service Group, Fund Accounting

03/2006 – 10/2010

Boston, MA

Brown Brothers Harriman

- Managed daily accounting operations, risk escalations, and client deliverables using STAR accounting platforms.
- Processed complex derivatives and trades including IRS/CDS swaps, futures, options, and fixed income instruments.

Senior Fund Accountant

06/2002 – 07/2004

Westwood, MA

State Street Bank and Trust

- Supervised fund accounting staff, auditing daily valuation pricing and developing automated Visual Basic macros to boost workflow efficiency.

EDUCATION

Master of Business Administration (MBA)

Manchester, NH

Southern New Hampshire University

Bachelor of Science (BS) in Finance

Dartmouth, MA

University of Massachusetts – Dartmouth

SKILLS

Enterprise Data Management	Data Governance	Data Quality	Financial Modeling (P&L, NAV, Position & Cash Reconciliation, Cash Flow, Benchmarking)						
Master Data Management	Common Information Models	FundGuard	Eagle STAR / PACE	Snowflake	Azure DevOps	Cloud Data Architecture			
Investment Accounting	Multi-Asset Operations	Python	Java	IntelliJ	SQL	Cursor AI	Google Gemini	Claude	Machine Learning Integration
Jenkins	GitHub	Jira	Docker	Kafka	Data Mapping & ER Diagrams			Business Requirement Gathering	
UAT	Stakeholder Management	Agile Methodology	Cross-Functional Leadership			Cassandra	Project Management		