

# Luke Todd

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## SUMMARY

Senior Application Developer with 12 years building and supporting enterprise capital markets technology through September 2026. More than nine years center on Fixed Income and Securitized Products, with more than seven years delivering hands on C# and .NET enterprise development. Experience includes Java, .NET Framework, .NET Core, **ASP.NET MVC**, RESTful APIs, SQL Server, T-SQL, stored procedures, query optimization, production support, performance tuning, **object oriented design**, and design patterns. Work connects engineering decisions with MBS, ABS, CMBS, CMO, trade lifecycle, pricing, positions, market data, cashflows, settlement, security master, Bloomberg, and regulatory reporting. Leadership includes **root cause analysis**, modernization, **technical debt reduction**, risk identification, estimation, mentoring, and collaboration with front office and middle office teams. Ready to help Granite Harbor Capital strengthen reliable applications supporting trading, operations, risk, and reporting.

## EXPERIENCE

### Lead Application Developer, Securitized Products

January 2022 - September 2026

Northstar Securities Technology

*Jersey City, NJ*

Led hands on development across C# and .NET applications, Java services, data platforms, and production operations supporting securitized products. Guided modernization, troubleshooting, design decisions, estimates, risk reviews, and developer growth while connecting technology work with trading, operations, pricing, market data, and regulatory outcomes.

- Modernized **ASP.NET** services into **RESTful APIs**, preserving controls across trading and reporting workflows.
- Tuned **SQL Server** T-SQL queries for cashflow datasets, improving responsiveness during regulatory reporting cycles.
- Resolved cross layer incidents through root cause analysis across applications, databases, integrations, and performance.
- Translated MBS, ABS, CMBS, and CMO requirements into maintainable technical designs for traders and operations.
- Mentored developers on **design patterns**, testing, estimation, code quality, and production support practices.
- Improved service stability through **technical debt reduction**, **automation**, and focused performance investigations.

### Senior Application Developer, Fixed Income Systems

July 2018 - December 2021

Harborline Markets Systems

*New York, NY*

Developed enterprise C# and .NET applications alongside Java services for Fixed Income trade lifecycle and middle office processing. Combined application delivery with data integration, production troubleshooting, release planning, and technical risk review for positions, inventory, pricing, valuation, settlement, and market data.

- Built ASP.NET MVC features for positions, inventory, pricing, valuation, and settlement workflows.
- Integrated Bloomberg feeds with **security master** and trade processing services for reliable **market data** delivery.
- Optimized **SQL Server** procedures supporting **trade processing**, improving query behavior during heavy operational use.
- Investigated production incidents and delivered durable fixes for data accuracy and service resiliency.
- Partnered with analysts and product owners on releases, estimates, requirements, and technical **risk identification**.
- Added Java services supporting **Fixed Income** workflows across middle office operations and reporting.

### Application Developer, Fixed Income Operations

June 2015 - June 2018

Summit Ridge Financial Technology

*Newark, NJ*

Built .NET services and Java integration components supporting Fixed Income operations, reporting, trade processing, and reference data. Worked across application and database layers under senior engineering guidance, gaining broader ownership of testing, deployment, documentation, and **production support**.

- Built .NET services supporting **Fixed Income operations**, reporting, and trade processing workflows.
- Created **T-SQL stored procedures** for trade, position, and reference data processing.
- Added **Java** integration components that connected enterprise workflows with dependable support services.
- Tested application and database changes, resolving defects before controlled production releases.
- Applied object oriented designs and reusable components under senior engineering review.
- Documented release procedures and supported controlled deployments across operational technology environments.

### Software Developer, Financial Services Applications

June 2014 - May 2015

Blue Oak Software Services

*Philadelphia, PA*

Developed C# features and SQL Server reporting components for enterprise financial services clients. Built early production experience through unit testing, integration testing, issue triage, source control, code review, documentation, and release discipline with senior developers and database specialists.

- Developed **C#** application features for enterprise financial services client workflows.
- Created **SQL Server** queries and **stored procedures** supporting operational reporting needs.
- Applied object oriented principles to maintainable application components under senior guidance.
- Executed unit and integration tests, resolving defects before scheduled releases.
- Supported production issue triage with senior developers and database specialists.
- Built source control, code review, documentation, and release discipline through client delivery work.

## PROJECTS

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### Securitized Products Service Modernization 📅 2024

Modernized backend services supporting pricing, positions, market data, and reporting. RESTful APIs gave teams clearer integration points while preserving established operational controls and production support practices.

### Fixed Income Market Data Integration 📅 2021

Connected Bloomberg data and market data feeds with security master and trade processing services. Work improved consistency across valuation, inventory, settlement, and middle office workflows.

## LEADERSHIP & AWARDS

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- Recognized by engineering leadership for dependable production support across securitized products applications.
- Selected to mentor developers on design patterns, testing, estimation, and service ownership.
- Trusted by front office and middle office partners for clear technical decisions during urgent incidents.

## EDUCATION

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### Bachelor's Degree in Computer Science

Temple University GPA: 3.5

2014

Philadelphia, PA

*Coursework: Object Oriented Design, Database Systems, Software Engineering, Algorithms*

## CERTIFICATIONS

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- Microsoft Certified Application Developer 📅 2018
- Microsoft Certified Database Developer 📅 2017

## TECHNICAL SKILLS

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- **Programming Languages:** C#, Java, T-SQL
- **.NET Development:** .NET Framework, .NET Core, ASP.NET MVC
- **API Development:** RESTful APIs, Backend Services, Service Integration
- **Database Systems:** SQL Server, Stored Procedures, Query Optimization
- **Fixed Income Products:** MBS, ABS, CMBS
- **Structured Products:** CMO, Pass Through Securities, Structured Products
- **Market Data Platforms:** Bloomberg, Market Data Feeds, Security Master
- **Trade Processing:** Trade Lifecycle, Pricing, Positions
- **Cashflow Operations:** Cashflows, Factors, Amortization
- **Settlement Workflows:** Settlement, Repayment, Principal Distributions
- **Software Engineering:** Object Oriented Design, Design Patterns, Technical Debt Reduction
- **Production Operations:** Root Cause Analysis, Performance Tuning, Production Support

## SKILLS

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|------------------|----------------|--------------------------|-------------|
| • C#             | • ASP.NET MVC  | • Object Oriented Design | • CMBS      |
| • Java           | • RESTful APIs | • Design Patterns        | • CMO       |
| • .NET Framework | • SQL Server   | • MBS                    | • Bloomberg |
| • .NET Core      | • T-SQL        | • ABS                    |             |

## PROFESSIONAL AFFILIATIONS

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- Member, enterprise application development communities focused on C#, .NET, Java, and SQL Server.
- Contributor, financial technology working groups supporting Fixed Income data, trade processing, and reporting.

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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

**REFERENCES**

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AVAILABLE ON REQUEST