

Siddharth Maurya

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Professional Summary

Results-driven Full Stack Developer with nearly 4 years of experience designing, scaling, and modernizing enterprise-grade applications in the financial sector. Proficient in bridging legacy backend systems with modern web architectures using C#, .NET, Angular, and SQL Server. Proven track record of automating complex data pipelines, optimizing backend performance, and delivering secure, user-centric web tools that streamline critical business operations and reduce manual overhead.

Education

MNNIT Allahabad, Prayagraj (U.P.), India May 2022
Bachelor of Technology (Electronics & Communication Engineering) CGPA: 8.57/10.0

Vidya Inter College, Azamgarh UP Mar 2017
XII (UP Board) Percentage: 83.4%

Experience

Software Engineer / Full Stack Developer, BNY (Bank of New York Mellon) 2022 – Present

- **Full Stack Web Modernization (Angular / .NET):** Driving the migration of a legacy ASP.NET platform to a modern Angular architecture. Developed secure, client-facing administrative modules that reduced manual database interventions by enabling self-service operations for the Operations team.
- **Scalable Backend Architecture:** Engineered an asynchronous background job processing system to handle long-running stored procedures. Solved HTTP timeout issues on large datasets by decoupling execution from the UI, ensuring system stability during peak loads.
- **High-Performance ETL Engine:** Built a multi-threaded ETL application from scratch using C# and the **Producer-Consumer pattern**. Optimized throughput to process millions of financial records (Mutual Funds, ETFs, SMA) daily for clients like Morgan Stanley and UBS.
- **Process Automation:** Developed and deployed Windows Services to automate the full lifecycle of data ingestion, validation, and archiving. Reduced data availability latency from days to near real-time.
- **Database Reliability:** Designed a flexible "Data Copy Service" to manage complex promotion logic between Staging and Production environments, supporting configurable upsert/rebuild strategies to maintain data integrity.
- **Tooling & Optimization:** Created robust utility tools (File Splitters, Dynamic Data Loaders, FTP Managers) that streamlined the onboarding of new financial data feeds and reduced support ticket volume.

Technical Skills

- **Languages & Frameworks:** C#, .NET Framework 4.8, ASP.NET Web API, Angular (TypeScript), SQL Server (T-SQL), HTML5/SCSS, Java, SpringBoot, Spring, JPA, Hibernate
- **Concepts & Architecture:** Multithreading (Producer-Consumer), Windows Services, Asynchronous Programming, ETL Pipelines, Micro-UI Architecture
- **Tools & Infrastructure:** Visual Studio, Git, Postman, IntelliJ, DBeaver, MSSMS