

# Ooha Reddy Birru

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## Education

University of Maryland, Baltimore County

Aug 2022- May 2024

Master of Science in Data Science

Baltimore, MD

## Technical Skills

**Programming Languages:** Java, C#, C++, Python, JavaScript, TypeScript, Ruby

**Frameworks/Libraries:** Spring Boot, RESTful APIs, Spring Core, Spring MVC, Hibernate, .Net

**Web Technologies:** React, Angular, HTML, CSS, jQuery, SOAP-XML, Node.js, NextJS, Redux, Rest API, GraphQL, Bootstrap

**Data Management:** MySQL, SQL Server, MongoDB, Excel, Power BI, Tableau

**Methodologies:** Scrum, Agile, SDLC

**Project Management:** Jira, GitHub, GitLab, Jenkins, Docker

**Tools/ IDE's:** ServiceNow, Git, Visual Studio, Postman, Google Colab, Jupyter, Spring Tool Suite, Eclipse

**Cloud Platforms:** Azure, AWS, Google Cloud

**Certifications:** Data Structures in Java by Coding Ninjas, Career Essentials in Software Development by Microsoft

## Experience

OCMBC Inc

May 2024 – Present

Software Engineer

USA

- Developed high-performance applications using C# across various scenarios, ensuring scalability, maintainability, and high efficiency.
- Implemented real-time systems for financial data processing, optimizing for low-latency data retrieval and processing in a high-throughput environment.
- Applied SOLID principles to improve code quality, modularity, and maintainability, ensuring long-term scalability and reducing technical debt.
- Developed and integrated network programming solutions using C# to facilitate secure, efficient communication between distributed systems.
- Worked on designing and implementing RESTful APIs to ensure seamless integration between systems, with a focus on secure, efficient data exchange.
- Collaborated with DevOps teams to configure and manage CI/CD pipelines, automating the testing, deployment, and release of software.
- Utilized database systems such as SQL Server and MongoDB for data storage, ensuring efficient query performance and database optimization for large-scale systems.

Cognizant Technology Solutions

Dec 2019 – Jul 2022

Software Engineer

India

- Developed and maintained high-performance applications in C#, applying SOLID principles and object-oriented design patterns to ensure clean, modular code.
- Worked on real-time systems for financial applications, handling large volumes of data with minimal latency to ensure accurate and timely financial processing.
- Developed network programming solutions in C# to ensure reliable, fast, and secure communication between systems over various protocols.
- Designed and implemented REST APIs to enable integration with external systems, improving data communication and simplifying backend architecture.
- Collaborated with DevOps to build and maintain CI/CD pipelines, automating testing, building, and deployment processes, improving the overall development workflow.
- Optimized database interactions using SQL Server, writing efficient queries and designing schemas that could handle large datasets with high performance.
- Demonstrated a passion for financial markets, collaborating with financial domain experts to build applications that handled complex trading data and financial transactions.

## Projects

Real-Time Financial Data Processing System – C#, SQL Server, REST APIs, CI/CD

- Developed a high-performance financial data processing system using C#, applying SOLID principles and network programming techniques for real-time data processing.
- Designed and implemented RESTful APIs to integrate the system with external financial data sources, ensuring secure and efficient data exchange.
- Optimized SQL Server queries to handle large datasets efficiently, reducing latency and improving the responsiveness of the system.

Networked Trading Platform – C#, Node.js, SQL Server, REST APIs, Docker

- Developed a networked trading platform using C# and Node.js, applying real-time communication protocols to handle trading transactions and market data.
- Built and integrated REST APIs to interact with external trading services and financial institutions, enabling seamless market data integration.