

AMARJEET VISHWAKARMA

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SKILLS

Programming Languages: C++, Java, HTML, CSS, JavaScript

Databases: MySQL

Networking & Messaging: RabbitMQ, FIX Protocol, Winsock

Concurrency & Multithreading: Boost, OpenSSL, C++ STL

Version Control: Git, SVN

Operating Systems: Windows, Linux

Other Skills: Low-latency Systems, Socket Programming, Multi-threaded Application Development

EXPERIENCE

Software Developer | Finsol Tech, Noida

(Dec '23 – present)

- Developed a **high-performance multi-exchange trading gateway** for Order Management, Market Data Processing, and DropCopy Handling.
- Engineered an **ultra-low-latency order execution system** using **C++, Boost, Winsock, and Sockets** on both **Windows & Linux**.
- Implemented **real-time market data processing** for **BSE, NSE, MCX, IIBX etc.**, optimizing latency and throughput.
- Designed a **DropCopy mechanism** for trade reconciliation and exchange compliance.
- Integrated **RabbitMQ and FIX Protocol** for efficient message handling and connectivity.
- Researched and optimized **multithreading, memory management, and network communication** to enhance system performance.

Software Engineer Intern | Finsol Tech, Noida

(June '23 – Dec '23)

- Developed **socket programming modules** for secure communication and heartbeat transfer.
- Built a **log-handling system** for real-time log monitoring of financial transactions.
- Gained hands-on experience in OMS (Order Management System), exchange connectivity, and full order lifecycle management.

Data Verifier | Ocrolus Est Pvt Ltd., Gurugram

(Dec '20 – Sep '22)

- Validate Document using software.
- Process Bank statement, Identification card etc.

PROJECTS

Multi-Exchange Trading Gateway – Finsol Tech, Noida

Designed and built a high-performance trading gateway from scratch for Order Management, Market Data Processing, and DropCopy Handling across BSE, NSE, MCX, and IIBX on Windows & Linux.

- **Order Gateway:** Built an **ultra-low-latency order execution engine** to process millions of trades daily.
- **Market Data Gateway:** Developed a **real-time market data processing engine**, ensuring fast and accurate data dissemination.
- **DropCopy Gateway:** Implemented an **automated trade reconciliation system** for auditing and exchange compliance.
- **Tech Stack:** C++, RabbitMQ, FIX Protocol, Boost, MySQL, Winsock, Linux Sockets.

Credit Card Compare

Developed a recommendation tool to help users find the best credit card based on their needs.

- Tech Stack: Java Spring Boot, MySQL, JavaScript.
- Implemented an **algorithm for ranking credit cards**, optimizing user searches.

EDUCATION

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| • PG-DAC CDAC Noida | 70% 2023 |
| • B.Tech in Information Technology SCRIET Meerut | 73% 2018 |

ACHIEVEMENTS

- Solved 250+ coding problems on **LeetCode**, **GeeksforGeeks**, and **HackerRank**.
- Regular participant in **coding contests** to improve problem-solving skills.