

# Vijay kotihal

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## Summary

Results-driven Software Engineer with 7 months of hands-on experience in full-stack development and backend engineering. Proven expertise in building **scalable financial trading platforms** using Python, FastAPI, Kafka, Redis, and TimescaleDB. **Skilled in** real-time data processing, RESTful API development, and system design. **Demonstrated ability to deliver** high-performance solutions in fast-paced startup environments.

## Education

<b>G M Institute of Technology, Davangere</b> <i>Bachelor of Engineering in Information Science and Engineering</i>	<b>2021 – 2025</b> CGPA: 8.1
<b>Rural Polytechnic, Haunsbhavi</b> <i>Diploma in Electrical and Electronics Engineering</i>	<b>2019 – 2021</b> Percentage: 85
<b>New Era Public School, Ranebennur</b> <i>Secondary (X)</i>	<b>2018 – 2019</b> Percentage: 64.5

## Technical Skills

**Languages:** Python, Java, JavaScript, C  
**Technologies:** React.js, Node.js, FastAPI, Kafka, Redis, MongoDB, PostgreSQL, TimescaleDB  
**CS Fundamentals:** Data Structures & Algorithms, OOP, OS, DBMS, Computer Networks  
**Tools & Platforms:** Git, Docker, VS Code, Postman, DBeaver, Linux

## Experience

<b>Full stack developer intern</b> Byterains Technologies Pvt Ltd	<b>April 2025 – October 2025</b> Bangalore, India
<ul style="list-style-type: none"><li>Developed and maintained a real-time Forex trading platform processing live market data using FastAPI, Kafka, and TimescaleDB, achieving sub-100ms latency.</li><li>Integrated Saxo Bank REST APIs to enable live FX data streaming and asynchronous multi-order placement functionality.</li><li>Built scalable data pipelines to stream, cache, and persist financial tick data with performance monitoring.</li></ul>	

## Projects

### Decentralized Carpooling Platform

- Designed a blockchain-based ride-sharing app using Ethereum smart contracts, React.js, and Web3.js for P2P ride booking.
- Enabled secure ride matching and automated payment validation through MetaMask and Solidity.

### End-to-End Forex Trading Platform

- Developed a complete trading system using Java with integrated REST APIs for order placement, account tracking, and position management.
- Utilized Kafka and Redis for live FX data streaming and PostgreSQL for secure order and trade log storage.

### Real-Time Forex Trading System

- Created an async Forex trading system using FastAPI, Saxo Bank API, Kafka, Redis, and TimescaleDB.
- Implemented live tick streaming, multi-order placement, and latency monitoring.

## Certifications

**Full Stack Developer Intern Certificate** – Byterains Technologies Pvt Ltd (April 2025 – October 2025)

**NPTEL Certified:** Programming in Java (Elite)

**HackerRank Certified:** Java

**HackerRank Certified:** Python

**Aurelia Technologies Certified:** MERN Stack Development Internship

## Additional Information

**Languages:** English (Fluent), Hindi (Fluent), Kannada (Native)  
**Hobbies:** Technology trends, Formula 1 racing, Software development, Gaming