Jayesh Das

Software Engineer

jayeshdas786@gmail.com 8898523904 Kandivali East,Mumbai 400101, India LinkedIn
GitHub

Profile

I am a dedicated professional with more then 3.7+ years of experience in the fintech industry, specializing in handling real-time market data with an emphasis on effective performance. My expertise lies in Microservice architecture design and implementation, allowing me to develop robust and scalable solutions for complex financial systems

Professional Experience

Software Engineer, *Fin Rise Softech Pvt. Ltd* Oct 2020 – present
Mumbai, India

- I'm part of India's fastest-growing arbitrage and quantitative trading firm, specializing in leveraging quantitative strategies and implementing arbitrage opportunities to optimize trading outcomes. My role involves in-depth market analysis and staying at the forefront of innovation in algorithmic trading.
- Engineered a cutting-edge system by integrating broker APIs from Zerodha, Binance, and Bloomberg using Python's requests and WebSocket library; streamlined real-time data distribution process across various applications, enhancing data accessibility and decision-making capabilities.
- Designed the software architecture and developed a multi-client/sub-client application using SQL's, and Django-rest-framework for API accounting for more than 600+ clients.

Projects

Web Trading With Retailer API, *XTS ,ZERODHA,FIVE PAISA Integration*
The web trading portal is a dynamic platform that seamlessly integrates with the XTS, ZERODHA, and FIVE PAISA API, providing traders with access to real-time market data and trade execution capabilities. The portal offers a range of powerful features, including strategy trading, a price alert system, and live profit and loss updates, efficiently delivered to clients via a Telegram bot.
Technology/framework/Programming Language which we used: Django REST API, Python , Javascript, ReactJS, Postgres SQL, Websocket, ZMQ, Cython, Message queues (SysvIPC),Celery, Redis,Shared Memory,

HFT Web Trading(API and MICROSERVICE Development),
High frequency trading with NSE/SGX Co-location server

Summary - we have developed a high-frequency trading platform that leverages a co-location server with the National Stock Exchange (NSE) and Singapore Exchange (SGX). This co-location server ensures ultra-low latency access to market data and order execution, enabling lightning-fast trading capabilities.

The core of our trading infrastructure is a set of C++ microservices meticulously designed by our senior developers. These microservices serve as the backbone of our trading system, efficiently handling various aspects of the trading process.

Key components of our microservices architecture include:

- Feed Broadcaster, Strategy Reader/Sender, Profit and Loss, Alerting System, REST API
- Involved in the full life cycle of the project (SDLC) from requirements gathering,
- analyzing, designing, and developing Apps using AGILE Methodology.

Technology/framework/Programming Language which we used: Django REST API , Python, Javascript, ReactJS, Postgress SQL, Websocket, ZMQ, Cython,Message queues (SysvIPC),Celery, Redis Shared Memory,
Team size: 12

Strategy Monolith Application

Summary - Strategy monolith application is a powerful and versatile trading platform developed in Python. It enables traders to create and implement a wide range of trading strategies, including **fractal, stochastic, wait and trade, straddle, jobber, arbitrage spread, and many others**. With seamless integration, the application allows users to place orders with select brokers such as **AngleOne and Zerodha**, enhancing the efficiency and ease of executing trades.

Telegram BOT Monolith Application, *Integrate Telegram BOT API With Our services*

Summary - Our Telegram bot is a powerful tool designed to provide developers and traders with full control over their trading system. The bot offers a range of functionalities that ensure smooth operations and continuous monitoring of the system's health and microservice running status. Additionally, it facilitates real-time updates on traders' live profit and loss, as well as their current positions. The bot's user-friendly interface makes it accessible to everyone, empowering traders to stay connected and informed on the go.

Crypto Trading With Binance API

Summary - The web trading portal is a robust platform that integrates with Binance API, providing users with a seamless trading experience. It offers a wide range of features, including strategy trading and a price alert system, efficiently powered by a Telegram bot.
Programming language which we used: Django Template, Python , Javascript, MSSQL, Websocket
Team size: 4

WEB RMS(V2.0), *Risk Management System Web Application*

Summary -The Risk Management System is a web application developed using Python monolith application and Django REST API. Its primary objective is to assist organizations in effectively managing risks by providing a user-friendly interface to handle large amounts of data. The application incorporates various features and functionalities that facilitate risk analysis, mitigation, and reporting. It is easy to monitor risk anytime and anyway. this is an improved version of our RMS desktop application(v1.0). handling Live data using WebSocket and live graphical representation.

Technology which we used: Django Template, Python, Javascript, MSSQL, Websocket
Team size: 6

Education

Bsc in Information and Technology From Mumbai University, May 2019
Ghanshyamdas Saraf College MUMBAI, INDIA
CGP : 6.76/10

Certificates

- Full Stack Developer Certification from SDAC INFO TECH
- Python for Data Science
- Digital Image Processing
- React JS
- Data Visualization With Power BI
- Advanced SQL

Skills

- Python
- Javascript
- C++
- Django REST API
- React JS
- MSSQL
- PostgreSQL
- MongoDB
- Microservices
- Celery
- Pandas
- Websockets
- RabbitMQ
- Kafka
- ZeroMQ
- Git
- Docker