Jayesh Das

Software Engineer

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

GitHub

Profile

I am a dedicated professional with more than 4 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 – Apr 2024
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.

Software Engineer Intern, *Fin Rise Softech Pvt. Ltd* Apr 2020 – Sep 2020
Mumbai, India

Software Engineering Intern experienced in Java AWT, Core Java, and MSSQL for desktop application development and using Python for ETL process.

Projects

Web Trading With Retailer API, *XTS, ZERODHA, FIVE PAISA*

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.

Our project utilizes a robust tech stack comprising **Django REST API, Python, JavaScript, ReactJS, PostgreSQL, WebSocket, ZMQ, Cython, SysvIPC message queues, Celery, Redis, shared memory, Kafka, Pandas, Numpy, Jenkins and AWS**. It is deployed on an **EC2 Linux server**, adhering to a CI/CD model to ensure efficient and reliable continuous integration and delivery.

Team size: 12

HFT Web Trading(API and MICROSERVICE Development),

High frequency trading with NSE/SGX Co-location server

Summary - I 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
- analyzing, designing, and developing Apps using AGILE Methodology.

Our project utilizes a robust tech stack comprising **Django REST API, Python, JavaScript, ReactJS, PostgreSQL, WebSocket, ZMQ, Cython, SysvIPC message queues, Celery, Redis, shared memory, Kafka, Pandas, Numpy, Jenkins and AWS**. It is deployed on an **EC2 Linux** server, adhering to a **CI/CD** model to ensure efficient and reliable continuous integration and delivery.

Team size: 12

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.

Our project utilizes a robust tech stack comprising **Django REST API, Python, JavaScript, ReactJS, MSSQL, WebSocket, ZMQ, Kafka, Pandas, Numpy and Jenkins.**

Team size: 6

WEB RMS, *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.

Our project utilizes a robust tech stack comprising **Django Template, Python, Javascript, MSSQL, Pandas, Numpy, Jenkins and 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
- Advanced SQL
- Data Visualization With Power BI

Skills

- Python
- Microservices
- RabbitMQ
- Docker
- MongoDB
- Django REST API
- Celery
- Kafka
- Redis
- MSSQL
- Pandas
- ZeroMQ
- Numpy
- PostgreSQL
- Websockets
- Git
- Aws