

Aditya Singh

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EDUCATION

BE (Bachelor of Engineering) in Computer Engineering

D.Y. PATIL INSTITUTE OF TECHNOLOGY, PUNE
CGPA:8.1/10

Pune, India | May 2019

WORK EXPERIENCE

STREAK AI TECHNOLOGIES PVT. LTD. | SOFTWARE ENGINEER

Bengaluru,India | Nov 2020 – Present

- Developed compute heavy scalable and low latency **data-hub microservices** for other projects which needs **high amount of data with low latency** to provide better user experience. This microservices plays crucial role as data provider for financial backtesting product, which runs one of the **fastest backtests on earth** (1million row reads/per second for each concurrent user).
- Maintaining and developing **trading microservice system** which involves performing every trading activity (**orders , portfolio and many more**) and continuously integrating new stock brokers tech with streak platform.
- Built **centralized API-flow and microservice health management service**, which continuously checks health, latency and api flows.
- Building, maintaining and improving existing **websocket LTP bridge application** such that any point of time user does not suffer due to data-loss and integrating new brokers to platform.
- Built **backend application** which **analyze the data from millions of rows** and crunch data for user to read their **trading reports**.

TRADELAB TECHNOLOGIES PVT. LTD. | SOFTWARE ENGINEER (SDE1) Bengaluru,India | Oct 2019 - Nov 2020

- Worked on organization's flagship product of **order management system**, developed order placement module for MCX section.
- Built and maintained the **stock exchange contract margin system** - . Developed margin ,contract ,span modules which helps lacs of user in purchasing stocks.
- Developed entire backend for a product **MF-OPTIMIZER** which reads and analyse the user's mutual fund statement and provides recommendation to user about investing in profitable schemes.
- Built backend for **IPO investment and Mutual Fund investment** products , which facilitates user to purchase IPO and invest in mutual funds.
- EDIS** - Built application on e-DIS (**Electronic delivery instruction slip**) **system** to get over the Power of attorney issues in transferring stocks.

PROJECTS

SOCKET Projects Sep 2020 - Nov 2020

- Full stack **"real time view counter"** web app using socket.io and golang which tell real time views for travel website blog. **Project link**
- Full stack chatroom app using golang and socket , on which user can generate random id and share with their friends and peers to chat. **Project link**
- TCP CLI chat room app using plain tcp socket which can be used for peers to chat in particular room on command line. **Project link**

REDIS STYLE KEY VALUE PAIR STORAGE Jun 2020 - Jun 2020

- Built a redis style database system which have functionalities like ADD,GET, DELETE keys with automatic backup facility ,so that even on crashing the data will be available on restart. **Project link**

SKILLS

Languages: Golang, C++

Databases: PostgreSQL, Redis, TimescaleDB, ClickhouseDB

Technology: System design, Scalability

Software skills: Git, Github, AWS Deployments

Familiar with: JS, Java