

# Parv Jain

Software Engineer

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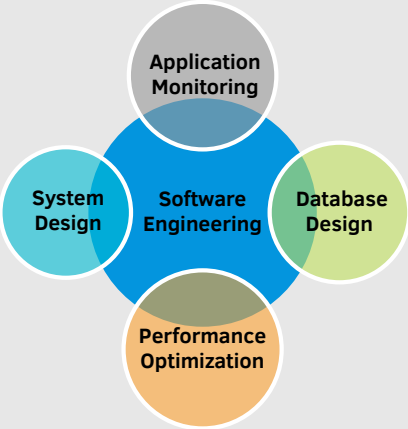
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 parv-jain

## Technical Skills

### Overview



### Tools & Technologies

Typescript • Node.js • PHP • Python

Kafka • Event Driven System • Redis

Microservices • Distributed Systems

Postgres • Mongo • MySQL

Newrelic • Kibana

Java • Golang

## Education

**Engineering, Information Technology**  
(Agg: 82.45)  
Guru Gobind Singh Indraprastha University  
2014 - 2018 | Delhi, India

**Senior Secondary, CBSE** (Agg: 91.8)  
Hansraj Smarak School | Delhi, India

## Experience

March 2023 - **Engineering Lead**  
Present

Pluang

- Engineered highly **scalable designs for the pricing module, order matching, and order processing modules**. These designs were meticulously crafted to **handle increased workloads** and ensure seamless performance under high demand scenarios.
- Excelled in the pricing module of the equity product, flawlessly managing a staggering workload of over **500,000 ticks per minute** from exchange via socket connections, processing them with a capacity of **100,000 ticks per minute** on a single pod. Seamlessly orchestrated the pricing pipeline, maintaining an exceptional end-to-end latency of under **60 ms**. This encompassed the swift handling of price ticks from reception to consumption by user's socket connections on app, as well as seamless integration with internal matching and portfolio services.
- Enhanced the order processing module, achieving a remarkable capability of processing up to 20,000 orders per minute on a single pod.

Sep 2022 -  
Mar 2023

### SDE-3

Pluang

- Successfully empowered the team in **system design and released the highly anticipated pockets and recurring order features** for the US Stocks product.
- Constructed a **Node.js Kafka wrapper to establish uniform usage practices** across the organization, mitigating issues stemming from diverse implementations across multiple teams.
- Focused on **enhancing metrics measurability** within the application, devised custom application-level monitors inspired by Kibana's low-level design (LLD) monitors. These custom monitors were instrumental in generating clear visibility into internal application statistics, **enabling further optimization efforts**.

Jan 2022 -  
Sep 2022

### SDE-2

Pluang

- Successfully released advanced order types (**stop, stop limit, along with exit strategies**), **leverage (2x, 4x - Intraday)**, **back-to-back hedging, and instant USD conversion from local currency** features in the US Stocks product.
- Played a pivotal role in actively contributing to the design of the order matching engine, including the advanced order types matching. Collaborated closely with the team to provide valuable insights and expertise, ensuring an efficient and robust architecture for matching complex order types.
- Revamped the **Cryptocurrency hedging flow** through a comprehensive redesign process.

Sep 2021 -  
Jan 2022

### Software Engineer

Pluang

- US equities product system design and development** - Launched Pluang's US equities product, allowing users to trade US stocks, allowing users to trade US stocks, resulting in increased user acquisition and AUM growth.
- Pioneered the implementation of a **scalable foundation for the candlestick generation service**. This achievement marked the first-ever instance of such capabilities at Pluang. Developed a highly **scalable and efficient solution**, enabling the generation of candlestick data in a **reliable and performant** manner.
- Ensured rapid response times of under **20 ms** for public endpoints and under **3 ms** for internal services, optimizing overall system efficiency and user experience.

Dec 2019 -  
Sep 2021

### Software Engineer

Paytm

- Led the development of a highly scalable game server for multiplayer games, incorporating robust core gameplay business logic.
- Engineered the tournament feature for Ludo, managing a whopping **300,000 concurrent users handling over 50,000 concurrently running games** including spectate mode user connections.
- Recognized as a Paytm Rockstar Engineer, receiving the prestigious award twice during my tenure at Paytm.

July 2018 -  
Dec 2019

### Software Engineer

Aspiring Minds - Acquired by SHL

- Contributed to the development of an **Auto-Interview Scoring System that accurately evaluates candidate video responses, taking into account confidence, grammar, content, and domain expertise scores.**
- Recognized as the Employee of the Quarter for Q3 2018-19, highlighting exceptional performance and contributions to the organization.

## Key Personal Project Highlights

2016 -  
Present

### Noteshub

<https://noteshub.co.in>

- Played multiple roles throughout the product journey of NotesHub, a specialized platform that caters to engineering students for downloading and sharing study materials.
- Successfully bootstrapped the idea and product from scratch, contributing to its conceptualization and implementation.
- Brainstormed and ideated various features to enhance the platform's capabilities.
- Initially implemented a buy-and-sell feature for study materials, handling the backend system. Although it ran successfully for a few months, challenges with the logistics module led to its discontinuation.
- Maintained a keen focus on operations, content creation, marketing promotions and development for the product.
- Designed a versatile database schema for the platform, enabling configuration for numerous universities and courses.
- Product includes a web portal and an Android application (with over 50,000 downloads), benefiting approximately 50,000 students annually and generating close to 1.2 million page views per month.