

# Kaustubh Jha

+91-9971121532 | [kaustubhjha1998@gmail.com](mailto:kaustubhjha1998@gmail.com) | open to relocation | [linkedin.com/in/kaustubhjha58/](https://www.linkedin.com/in/kaustubhjha58/)

## EDUCATION

### **PES University, Bangalore**

**B.Tech.**, Computer  
Science  
June 2017 – May  
2021

## SKILLS

### **DataBase**

SQL  
Mongo  
FlexSearch  
Redshift

### **Technical**

Solr  
Elastic search  
Redis (Amazon Elastic  
Cache)  
Microservices  
Docker  
EKS/ECS  
AWS  
Airflow  
Hybris SAP  
RabbitMQ/SQS  
MS Excel  
Scripting yaml / yml  
Dags  
Gluejobs / spark /  
Bash  
S3  
Springboot  
Hibernate (Mid)  
Version Control  
Jira  
Debugging  
Algorithm And Data  
Structres  
Load Balancing

### **Languages**

C++  
Java  
Python  
React.js (Basic)

### **WorkFlows**

Agile  
Methodologies

## EXPERIENCE

### **Tata Unistore Limited.**

July'21– present

#### **SDE - II**

- Building first intention-based Search across Business Vertical (Tata digital/tata neu) in India.
- Improved the search system to handle a load of greater than 1000 requests per second (>100,000 request per minute during TATA IPL).
- Saved over >\$100,000 (60 lakhs) in revenue for the business by being the first point of contact and support for any p0 incidents across the entire upper funnel search team.
- Migrated Entire Search Microservice into a new tech stack which reduced the response time by 95% and increase the conversion rate by 80%
- Built an integrated a classifier model for the luxury platform, which is 90% accurate in finding the relevance of the query with respect to classifiers, and context.
- Led a team of Engineers to migrate the current search for palette application. An extensive trial and testing were done under my supervision, reducing the response time by nearly 50%. This included creating of a new classifier for palette app.
- Created and improved dynamic facets on PLP pages for all marketplace, luxury, and palette app from scratch. Used airflow dags which incorporated of ETL jobs and bash jobs for a continuous integrated data pipeline, which results in up-to date user data being used.
- Solved Elastic Cache (Redis AWS) Egress limit issue along with AWS and internal team to maintain a tie between cost, availability, and reliability. This also required setting network rules on akamai end and splitting traffic between elastic and solr by precisely calculating user load during the peak season and sale time.
- Improved Architecture for easier deployment. These deployments were faster, scalable, and required lower management.

#### **SDE – I**

- Developed key features that allowed to increase CTR across all the channels, for both marketplace and luxury and handled p0,p1 bugs with low SLA and revert time, along with complete RCA.
- Optimized solr search for old microservice and reduced the number of error calls throughout the system.
- Improved the tagger functionality (old classifier) to be more dynamic.
- Completed the migration of the current search of palette app over solr.
- Created the current solr facet functionality that allows user to control facets through commerce backend for category Pages

## PUBLICATIONS

### **Automating Cricket commentary based Using supervised learning**

July'21

#### **Published In:- International conference of Data Analytics and Management**

- Built a commentary system faster than Cricbuzz using algorithm using supervised learning like MLP / Random Forest and compared the results between the 2.
- Created a new Algorithm to generate using multiple variables like strike rate to determine who is the set batsmen and carefully select the output template for the.

## HONOURS AND AWARDS

### **College and before**

August'17-July'21

- Distinction Award in all semesters.
- IIT Rank holder 2017:- Jee Advance rank 6629, top ~5% out 15 lakhs candidates.