

Ashutosh Kaushik

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EDUCATION

IIIT, ALLAHABAD

DUAL DEGREE,
BTech-MTech (IT)
2017-2022
CGPA: 8.98 / 10.00

GURUKUL THE SCHOOL

INTERMEDIATE
EXAMINATION
2015-2017 | 90.8%

KENDRIYA VIDYALAYA

HIGH SCHOOL
EXAMINATION
2005-2015
CGPA: 10.0 / 10.0

LINKS

Github: **AK18-GitGud**
Codeforces: **AK18**
Atcoder: **AK18**
LinkedIn: **Ashutosh Kaushik**

COURSES

Object-Oriented
Methodologies
Operating System
Database Management System
Computer Networking

SKILLS

STRONG AREAS

Java Collection Framework
Low Level Design
C++ STL
Data Structure
Competitive Programming
Algorithms
OOPs with Java

FAMILIAR

Java with Dropwizard
JavaScript with Express.js
Python with Locust and Flask
Redis
Concurrency & Multithreading
AWS, GCP, and Cloud Infra
Microsoft SQL Server
SQL and Bash Scripting
Kubernetes and Docker
Git and Version Control

EXPERIENCE

FLIPKART | SOFTWARE DEVELOPMENT ENGINEER - I | JULY 2022 - PRESENT
MSSQL | Dropwizard | Redis | Big Table | JavaScript | Amazon Web Services (AWS) | Google
Cloud Platform (GCP) | Kubernetes | Microservices | Java | SQL | JavaScript

- Designed and Implemented Promotions Service for FKH+
 - Improved the offers display and application latencies to < 20 ms by removing database dependency for read path, implementing cache & using big table data store
 - Launched D2R (distance to redemption) widget on FKH+ platform, showing user's personalized journey for offer application, leading 2% GMV increase
 - Implemented Savings Pass, Activation Code & My Savings Profile features
- Solved the user log-out problem by increasing Redis memory (master-slave architecture) when free memory was less than 15%
- Prevented downtime, by implementing load shedding on FKH+ main load balancer in AWS
- Improved order and tracking on FKH+, by introducing parent order construct and abstracting out order splitting, leading to the jump in NPS score by 11 points and the order decline rate reduced from around 13% to 8%.
- Contributed in cart service, implemented checkout flow & offer application flow using data builder framework.

FLIPKART | SOFTWARE ENGINEERING INTERN | JAN 2022-JUNE 2022
Amazon EC2 | Locust | Node.js | Python | JavaScript | PHP

- optimized and scaled SastaSundar architecture to handle 100 QPS by fixing the bottle necks, identified through load testing, for the launch of flipkart health plus.
- Setup locust (Python) service which is used by the entire FKH+ org as a load-testing platform

FLIPKART | SOFTWARE ENGINEERING INTERN | MAY 2021-JULY 2021
Docker | Component Testing | gRPC | Kubernetes

- POC of running gRPC based service using Kubernetes and Istio service mesh.
- POC and On-boarding of Component black box testing software on REST and gRPC based microservices.

RIVIA.AI | SOFTWARE ENGINEERING INTERN | JAN 2021-APRIL 2021
Flask | Low-Level Design | Docker | Data Structures | Algorithms

- Worked on automating warehouse management, data collection for analytics using cron and automating shipping label generation.
- Automated the order processing flow for real-time order processing leading to reduced manual effort and per day orders increased to 300 from 30.

ACCOMPLISHMENTS

- Peak Rating 1948 (Candidate Master) on Codeforces and 2nd Highest rated in Batch
- 6th position in 2019 ICPC India Chennai Multi Provincial Online Contest on Codechef among 100+ Teams
- 17th position Globally and Won the 1st Prize in IIIT A in CodeInvicta Coding Contest on CodeChef among 600+ participants
- Secured AIRs 25th, 33rd, 33rd and Won cash prize in Newton's coding challenge among 2000+, 2800+, 2800+ participants in Jan, May, March 2021 respectively