Sanyam Aggarwal

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○ GitHub | ᐟ Medium

EXPERIENCE

Shipsy   *Senior Software Engineer*

February 2022 - Present

- Re-architectured - number masking and rider shift modules to support new features with backward compatibility.
- Architected and developed a NestJs microservice for encrypted CRUD of user profiles and media.
- Designed and implemented application-layer audit trail for change tracking.
- Upgraded communication microservice from Node v10 to v20 with zero downtime.
- Mentored junior developers, and scheduled regular 1:1s, empowering the team to build, deliver, and monitor significant features with a test-first approach.

Software Engineer

- Optimized auto-allocation system, handling 350k+ orders/day.
- Designed allocation troubleshooting: added alerts, dashboards, logging, runbooks, and debug module. Reduced TAT of support issues by 45%.
- Streamlined module configs: Deprecated internal keys, added intuitive UI settings. Significantly reduced product team's config-related workload.
- Lead test first approach, set up and added tests for legacy modules. With team effort, increased coverage from 0% to 24%.
- Implemented a mechanism to avoid the addition of circular dependencies.
- Migrated Github Actions from Github runners to self-hosted runners, saving $ 8k/month in costs with similar run times.
- Implemented features like slot booking, order auto-reassignment in case of delays, async processing for bulk download requests via Bull queues, rider travelled distance calculation, and Razorpay integration for COD.

ClickLabs - Tookan   *Software Engineer*

September 2020 - January 2022

- Implemented location based auto allocation, handling 100k+ orders/day.
- Partitioned a SQL table with 500M+ rows, reducing query time by 2000x.
- Migrated a MongoDB collection from 3.0 MMAPv1 to 3.6 WiredTiger with zero downtime and added application support for Mongo 3.0 and 3.6.
- Developed a fail-safe NodeJs solution to migrate a MongoDB collection with 50M+ records to a partitioned MySQL table using Redis.
- Wrote bash scripts for daily logging in & monitoring node and database servers; flagged slow queries for optimization.
- Developed features such as Rider Payouts, Order Delay Reminders for riders, Signup Verification, SMS integrations etc.

EDUCATION

2016-2020
B.Tech in CSE
CGPA - 8.12

SKILLS

Languages-
Javascript, Typescript

Backend Technologies-
Node.js, Nest.js

Database Management-
PostgreSQL, MySQL, MongoDB

PROJECTS

Zerocoinn Airdrop

Heimdall

MySQL Partition Keeper

Social Media App

HOBBIES

Stocks, Driving, Music, Reading

ACHIEVEMENTS

Shipsy Hackathon 2022 winner for Productization - Heimdall

Shipsy Shining Performer - Q1 2022, Q1 2023

Clicklabs - Employee of the Month August 2021

Top 5 in Algorythm 2019 - NITJ Coding Festival

Solved 100+ medium leetcode problems