

Karandeep Singh

SDE | FULL STACK DEVELOPER | India | kdsingh.contact@gmail.com

[LinkedIn-in](#)

[GitHub-](#)

[Codechef-3*](#)

<http://kdsingh.me/>

Experience

SDE INTERN AT HYPERVERGE | DEC 2022 – CURRENT

Worked on Hyperstart CLM, an AI-powered Contract Lifecycle Management solution.

- Researched best user flows and **developed critical features** like payments, template and contract creation, doc editor using MERN stack.
- **Implemented end to end usage based recurring payment** system with constraints for resource access using stripe.
- Successfully resolved a long pending issue of a **critical feature to retain word like formatting** in a text editor throughout the process of importing, editing, and exporting the final doc.
- Researched and **implemented pixel density based frontend testing solution** for the tool which **brought down testing time from 2 days to ½hr**, also developed guidelines and automation to increase efficiency.
- Successfully modified lib written in (c# and .NET) to meet requirements which involved bug fixes and adding code for uncovered use cases.
- Worked with external infosec auditor to **fix security vulnerabilities** on the tool.

Projects

TICKET PORTAL

- Built ticket portal from scratch under 2 days which includes implementing dynamic pricing, **payment gateway**, invoice generation, and selecting seats, discount codes, and an admin dashboard.
- **Integrated S3** for storing banners, **ELK stack** for centralized logging, analysis and monitoring. Finally Dockerized and deployed the app

DOCSTREME

- **A document editing solution**, which supports real time collaboration
- Implement **web sockets** to ensure low latency sync, **end to end encryption** to ensure privacy, anonymous registration and based on the concept of trustless security.

YOUTUBE-API

- API to fetch latest videos sorted in reverse chronological order of their publishing date-time from YouTube for a given tag/search query in a **paginated response to reduce latency**.
- Uses **corn task** to fetch data from youtube API and feed it into the DB, **supports multiple keys** to prevent single key from exhaustion.
- Supports **partial searching** for name and description, using **database indexing** in mongoDB.

GIT-CLI

- CLI tool to update repositories of an organization whose packages are outdated, build using **commander.js**, GitHub API handling using Octokit.js, involves flow synchronization of new branch creation, fetching file, modify it locally, commit and generate pull request.

Skills

LANGUAGES

JAVASCRIPT | TYPESCRIPT | C++ | C | PYTHON | JAVA

DATABASES

MONGODB | MYSQL

FRAMEWORKS

EXPRESS | REACT | BOOTSTRAP | TAILWIND

OTHERS

NODEJS | AWS (CI/CD PIPELINE, S3, SQS, KMS) | POSTMAN | GIT | GITHUB | JIRA | SOCKET.IO | ELK (ELASTICSEARCH, LOGSTASH, AND KIBANA) STACK

Education

COMPUTER SCIENCE AND ENGINEERING |

VELLORE INSITUTE OF TECHNOLOGY | VELLORE | 2023

- Current CGPA: 8.85

COUNCIL FOR THE INDIAN SCHOOL

CERTIFICATE EXAMINATIONS |

DESOUZA'S SCHOOL | ROURKELA, ODISHA

- **ISC->score: 82.6% | (PCMB + CS)**
- **ICSE->score:87.8% | (PCM + CS)**

Accomplishments

#>Open Source Contributions

SECURED FIFTH SPOT IN MEXILI WINTER OF

CODE | BY MEXILI | CONTRIBUTING TO UNIAUTH

SHORTLISTED FOR EDUCATION OUTREACH

SCHOLARSHIP | BY GIRLSSCRIPT FOUNDATION

#>Hackathons.

DACKATHON | 2ND RUNNER UP. \$1000 PRIZE

CODE-ISION | 2ND RUNNER UP. RS. 30,000

BEST BEGINNER HACK | HACK OFF V3.0 BY MLH

#> Extracurricular

COSECRETARY | PUNJABI LITERARY ASSOCIATION

CORE MEMBER | IEEE PROFESSIONAL COMMUNICATION SOCIETY

CORE MEMBER | HEARTS CLUB-VIT