

Karandeep Singh

SOFTWARE ENGINEER

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[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.

- Solved an long pending issue of recurring frontend bugs by **writing and deploying (CI/CD) a frontend testing solution** using playwright for HyperVerge CLM tool, also developed guidelines around it, and taught team members how to write test cases fast using codegen tool.
- **Created usage based recurring payment system** for CLM tool using **stripe**, added constrains for resource access based on payment status, tier, trial, usage etc.
- Successfully **resolved a challenging task that initially seemed impossible:** achieving **precise word-like formatting in a text editor throughout the process of importing, editing, and exporting** final documents.
- Successfully modified MS. Lib, **OpenXMLPowerTools**, to handle edge cases, which was particularly challenging as it was written using **.NET and C#**
- Researched and single handedly developed all flows related to payments, template and contract creation.

Projects

GET BUS 🚍

- Built redbus from scratch in under 2 days. This included implementing dynamic pricing for bus routes, a **payment gateway**, invoice generation, and selecting relevant seats, discount codes, and an admin dashboard.
- Modified it to a movie ticket booking system in just one da.. Additionally, **integrated S3** buckets for storing movie posters, it involved setting up bucket policy and also ensuring that the images are not downloadable or to be open in other tab.
- **Integrated the ELK Stack (Elasticsearch, Logstash, and Kibana)** for centralized logging, analysis and monitoring.
- **Dockerized the app, deploying** it, and accessed the long file generated using **Docker volume** in real-time in order to feed it into Kibana for visualization.

DOCSTREME 🚍

- **Real time document editing solution**, which supports multiple users editing same document simultaneously.
- Uses socket.io to implement **web sockets** to ensure low latency sync. It also comes with **end to end encryption** to ensure privacy.
- All data gets encrypted to provide users privacy and supports anonymous registration , it is based on the concept of Trustless Security.

GIT-CLI 🚍

- CLI tool to update repositories of an organization whose packages are outdated.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

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: 8.76

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

#>Rs. 1 Lakh+ Overall bounty from various
hackathons.

DACKATHON 🚍 | 2ND RUNNER UP. \$1000 PRIZE

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

BEST BEGINNER HACK 🚍 | HACK OFF V3.0 BY MLH

#>Open Source Contributions

**SECURED FIFTH SPOT IN MEXILI WINTER OF
CODE 🚍 | BY MEXILI | CONTRIBUTING TO UNIAUTH 🚍**

**SHORTLISTED FOR EDUCATION OUTREACH
SCHOLARSHIP 🚍 | BY GIRLSSCRIPT FOUNDATION**

#> Extracurricular

COSECRETARY | PUNJABI LITERARY ASSOCIATION

**CORE MEMBER | IEEE PROFESSIONAL
COMMUNICATION SOCIETY**

CORE MEMBER | HEARTS CLUB-VIT