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 achieve word like formatting while importing, editing and exporting a doc, 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 **cron 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· CLI tool to update repositories of an organization whose packages are outdated, build using **commander.js**, GitHub API handling using Octokit.js, involves flow synchronization of new branch creation, fetching file, modify it locally,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 GIRLSCRIPT 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