


Karandeep Singh

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Experience

SDE AT ASSETPLUS | JUL 2023 – CURRENT

Worked across AssetPlus platforms contributing to India's best wealth management platform.

- Responsible for **ideation, UAT, development** (web and app), and **maintenance** of a product to offer **loans against mutual funds**.
- Wrote comprehensive **Analytics for all AssetPlus platforms** (6 - web | app), while collaborating with a third-party consultancy to gather insights.
- Was involved in evaluating the usability and developer experience of the upcoming backend mono repository. Developed **notification service** packages for it, and contributed to brainstorming sessions to identify optimal use cases for **decorators**, thereby **enhancing the overall development experience**.
- Contributed to the **internal UI library and story booking them, resulting in faster feature rollouts** by aligning them closely with Flutter components. This streamlined the code, facilitating swift deployment on both web and app platforms.
- Constructed dashboards and monitoring tools** for supporting marketing and product teams, utilizing Appsmith. Involved writing **complex mongoDB aggregation queries** to curate data effectively

SDE INTERN AT HYPERVERGE | DEC 2022 – JUN 2023

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.

Education

COMPUTER SCIENCE AND ENGINEERING |

VELLORE INSTITUTE OF TECHNOLOGY | VELLORE | 2023

- CGPA: 8.85

COUNCIL FOR THE INDIAN SCHOOL CERTIFICATE EXAMINATIONS |

DESOUZA'S SCHOOL | ROURKELA, ODISHA

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

Skills

LANGUAGES: JAVASCRIPT | TYPESCRIPT | DART | C++ | C | PYTHON | JAVA

DATABASES: MONGODB | MYSQL

FRAMEWORKS: EXPRESS | REACT | FLUTTER | BOOTSTRAP | TAILWIND | MATERIAL-UI

OTHERS

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

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.

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 PSC | HEARTS CLUB-VIT