

Chinmay Khamkar

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EDUCATION

University of Southern California, GPA: 3.64/4.0

Master of Science in Computer Science

Los Angeles, CA

Jan. 2022 – Dec 2023

Dwarkadas J. Sanghvi College of Engineering, GPA: 9.10/10.0

Bachelor of Computer Engineering

Mumbai, India

Aug. 2017 – May 2021

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, C/C++, Java, HTML/CSS

Frameworks and Tools: ReactJS, NodeJS, Angular, Android Studio. MongoDB, MySQL, DynamoDB, Pinecone, AWS S3, AWS CDK AWS Lambda, AWS DynamoDB, AWS Cognito, GraphQL, LangChain, PuTTY, Flask, EJS, OpenCV, Keras, GIT

EXPERIENCE

Software Development Engineer, Purs Payments, Portland OR

Mar 2024–Present

- Built an internal mailing tool which generates a daily report of number and volume of transactions at 5 merchant locations using AWS Lambda, AWS SES and assigned a cron job to it
- Delivered dashboard and analytics using AWS QuickSight to keep track of key business metrics like number of users, status of transactions, amount earned per location along with customer tipping behavior
- Integrated backend APIs to create a merchant onboarding flow in ReactJS to link bank accounts via Plaid webhooks resulting in 10% more conversion of new merchants

Software Development Engineer Intern, Amazon Web Services, Seattle WA

May. 2023 – Aug 2023

- Designed a communication channel in Spring framework for IoT devices to access the IoT registry APIs which is part of the AWS IoT Core stack via the MQTT protocol
- Migrated existing IoT Registry APIs from controlplane to dataplane which IoT device has access to by unpacking the message object and routing it to its designated API handler
- Implemented necessary unit tests in Java Mockito with code coverage of 95% and integration tests to deploy the code on preproduction pipeline

Software Development Engineer, USC Dornsife, Los Angeles CA

May 2022 – May 2023

- Implemented a daily activity tracking web app for a group of scientists with strength of 9k users similar to Workday
- Designed API endpoints to store and retrieve data from a NodeJS backend with remote SQL database and its integration with frontend while maintaining synchronization between local and remote records via PuTTY
- Delivered a responsive web app using Bootstrap with features such as create, edit, delete, and save activities

Software Development Engineer, VelarHealth, Mumbai IN

Mar. 2021 – Nov 2021

- Developed frontend of a website including functions such as onboarding, search, appointment booking, API integration etc. for both user and CRM side
- Performed bug fixes, code migration from HTML to EJS to optimize page speed by 15%, implemented a mailing system to notify the CRM team about various user activities
- Automated script to convert all leads generated from JSON format to an EXCEL sheet to assist the CRM team and improved efficiency by 30%

PROJECTS

LoR (Letter or Recommendation) Manager | [github](#)

- Architected web application with aim of assisting college professors and students to manage and keep track of LoRs
- Developed features including user authentication, CRUD operations, reset JWT tokens for both teacher and student portal. React JS and Node JS (MERN stack) was used to build this project

Stackoverflow ChatGPT browser extension | [github](#)

- Developed a Chrome browser extension for the Stackoverflow website where the question was feed into ChatGPT and display its result along with human answers
- Modified the Stackoverflow website's frontend code to display the results got from ChatGPT and open-sourced the extension gaining 13 stars on GitHub

YouTube and PDF chatbot

- Built a chat application using Open AI embeddings on YouTube transcripts and PDF documents and vector database FAISS
- Created a web application hosted on Streamlit and used LangChain with prompt engineering to converse with PDFs and videos