

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, 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
- Developed a secure token-based authorization system using AWS services (Cognito, Lambda, API Gateway) to enable third-party marketplace integrations, supporting \$100k+ in transaction volume

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 with onboarding, search, and appointment booking features, performed code migration from HTML to EJS optimizing page speed by 15%, and implemented mailing system for CRM notifications
- Automated lead management by creating a script to convert JSON data to Excel format, improving CRM team efficiency by 30% while maintaining API integrations for both user and admin portals

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 and open-sourced a Chrome extension (13+ GitHub stars) that integrates ChatGPT responses alongside human answers on Stack Overflow by modifying the website's frontend code

Lofi mix | [github](#)

- Developed a VS Code extension enabling users to listen to lofi music while coding, reaching 150+ downloads on VS Code marketplace
- Built an interactive UI with track listing, persistent playback controls in VS Code's status bar and webview panels using JavaScript and VS Code API

YouTube and PDF chatbot | [github](#)

- Built a chat application leveraging OpenAI embeddings and FAISS vector database to analyze YouTube transcripts and PDF documents
- Created a Streamlit web app using LangChain to enable conversational interactions with uploaded PDFs and videos