

Sasank Tadepalli

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EXPERIENCE

Cybersecurity Analyst Intern, FedEx

June 2024 - Present

- Conducting security testing on **50+ APIs** using **Burp Suite**, identifying vulnerabilities and threats.
- Performing vulnerability assessments and risk analysis on APIs, ensuring compliance with security best practices.
- Documenting findings and communicating risks to the development team, leading to faster remediation.

Web Developer, Cal State East Bay

August 2023 - May 2024

- Developed and maintained the SCAA website, ensuring a user-friendly interface and seamless navigation for students and faculty.
- Collaborated with the academic team to integrate online tutoring and scheduling systems, resulting in a **35% reduction** in scheduling conflicts.
- Conducted regular website updates and maintenance, including content management, performance optimization, and bug fixes.

Systems Engineer, Infosys

August 2021 - August 2022

- Collaborated with a team of **10** engineers to migrate a core banking system to a **cloud-native** architecture, achieving a **40% reduction** in operational costs.
- Developed **microservices** using Node.js/Express.js and React.js, ensuring modularity, scalability, and optimized CRUD performance with **AWS DynamoDB**.
- Implemented Docker containers for microservices deployment and orchestrated with **AWS EKS**, ensuring **99.99% availability**.
- Implemented CI/CD pipelines using **Jenkins** for automated testing and deployment, reducing release cycles by **50%**.

iOS Developer, Freelance

March 2020 - September 2020

- Created an iOS app for prabhupada.io, featuring 23 books by Srila Prabhupada, using **Swift**, Xcode, and **Firebase**.
- Designed initial mockups using **Figma** to visualize the app's interface and functionality, securing client approval before development.
- Enhanced the app in version 2 by adding bookmarking, tagging, searching, and iPad support according to client feedback.
- Maintained continuous client communication throughout the project, ensuring alignment with requirements and achieving a **4.5-star** App Store rating.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, Swift, Java
- **Web Technologies:** Node.js, Express.js, React.js, Web Sockets, GraphQL, Next.js, RESTful API, Redux, HTML5, CSS3
- **Database:** MySQL, MongoDB, Redis, Cassandra
- **DevOps:** Docker, Kubernetes, Linux, Jenkins, Kafka, Terraform
- **AWS:** EC2, S3, EKS, Lambda, IAM, DynamoDB, Route53, CloudFormation
- **Computer Science Topics:** OS, OOP, DBMS, Computer Networks, Microservices, Distributed Systems
- **Misc:** Git, GitHub, System Design, MVC Architecture, Design Patterns, Machine Learning, Burp Suite

PROJECTS

Hospital Finder

- Led a **team of 4** to develop an iOS application for finding the nearest hospital during emergencies, ensuring **95%** compliance with the project schedule.
- Leveraged **Swift**, Xcode, Firebase, and Apple MapKit technologies, resulting in a **30%** reduction in app response time and delivering a seamless user experience.

Real-Time Chat Application

- Created a MERN Stack Chat Application enabling real-time data transfer between users by establishing 2-way communication between the client and server using web sockets.
- Employed technologies including ReactJS, NodeJS, Socket.io, Styled Components, ExpressJS, React Router, and MongoDB.

E-Commerce Website

- Built a MERN Stack E-Commerce app with CRUD functionality using **MySQL**, and secure user authentication with **Passport.js** and JsonWebTokens.
- Designed an order management system and admin dashboard for tracking and processing customer orders, managing products, and overseeing user activities.

EDUCATION

Master of Science in Computer Science

California State University East Bay

August 2022 - May 2024

Hayward, CA

Bachelor of Technology in Computer Science

Velagapudi Ramakrishna Siddhartha Engineering College

August 2017 - July 2021

Vijayawada, India

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**, Amazon Web Services February 2023
- **The Web Developer Bootcamp**, Udemy November 2020
- **The iOS App Development Bootcamp**, Udemy March 2019