Sasank Tadepalli

Sasank.Tadepalli@icloud.com | sasanktadepalli.web.app/ | (949) 763-1838 | linkedin.com/in/sasank-tadepalli | github.com/Shannu26 | San Jose, CA 94087

EXPERIENCE

Cybersecurity Analyst Intern, *FedEx* — June 2024 - Present
- Conducted security testing on **50+ APIs** against the OWASP Top Ten using **Burp Suite**, identifying vulnerabilities and threats.
- Performed vulnerability assessments and risk analysis on APIs, ensuring compliance with security best practices.
- Documented findings and communicated risks to the development team, promoting a secure by design approach and 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.
- 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.

Software 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 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, Golang, TypeScript, Swift, Java
- **Web Technologies:** Node.js, Express.js, React.js, Web Sockets, GraphQL, Next.js, REST API Design, Redux, HTML5, CSS3
- **Database:** SQL, MySQL, PostgreSQL, MongoDB (NoSQL), Redis
- **DevOps:** Docker, Kubernetes, Linux, Jenkins, Kafka, Terraform, Amazon Web Services (Cloud Services)
- **Computer Science Topics:** Operating System Design, Data Structures and Algorithms, Object Oriented Programming (OOP), DBMS, Computer Networks, Microservices, Distributed Systems
- **Misc:** Version Control (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 using Swift, MapKit, and Firebase to locate and notify the nearest hospitals during emergencies.
- Integrated real-time mapping and tracking features with MapKit, enabling users to monitor ambulance locations and drivers to navigate to user locations.

Video Conferencing Application
- Built a MERN Stack Video Conferencing app with features such as peer-to-peer video streaming, real-time messaging, screen sharing, and user authentication via JWT.
- Integrated WebRTC and SimplePeer for Peer-to-Peer Communication to enable seamless, low-latency video and audio communication between users.

EDUCATION

Master of Science in Computer Science — August 2022 - May 2024
California State University East Bay — Hayward, CA

Bachelor of Technology in Computer Science — August 2017 - July 2021
Velagapudi Ramakrishna Siddhartha Engineering College — Vijayawada, India

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**, Amazon Web Services — February 2023
- **The Web Developer Bootcamp**, Udemy — November 2020