

Pawan Kalyan Chokkakula

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SUMMARY

Software Development Engineer with 1.8 years' experience building secure, scalable Web3 applications. Skilled in delivering API-driven products that enhance security, performance, and user experience across decentralized and enterprise platforms.

EDUCATION

Bachelor of Technology | GITAM University | Andhra Pradesh, India | 2023 | 8.46

- Achieved 1st place in the "Identity Revealed" CTF competition organized by GITAM CYSEC.
- Secured 1st place in the Linux-based CTF event hosted by GITAM CYSEC.

EXPERIENCE

SDE 1 | Sarvalabs INC. | Bangalore | September 2023 - Present

- Built **Xoog** (NodeJS, ReactJS), a Web3-based secure mailing system with smart contract-driven permissions, blockchain audit trails, and Outlook add-in integration, serving **enterprise users**.
- Developed **Kapsul** backend (Golang) with payment gateway, IPFS storage APIs, and file-sharing apps for decentralized, censorship-resistant file hosting.
- Created **IOMe Mobile** (Flutter) for decentralized identity management, increasing adoption among users.
- Designed **ZStats Dashboard** (PostgreSQL, GraphQL) for real-time analytics, enabling data-driven decisions for client platforms.
- Delivered secure, API-driven solutions across multiple products, improving **performance, scalability, and user trust**.
- Refined CI/CD pipelines to accelerate deployment cycles, minimize downtime, and ensure reliability across decentralized application releases.

PROJECT

Kapsul | Sarvalabs Inc. | kapsul.ai | October 2024 - Present

- Built Golang-based backend for a **blockchain-powered file hosting platform**, enabling decentralized, censorship-resistant storage.
- Developed APIs for file uploads, IPFS cluster storage, and file-sharing apps, along with **payment gateway integration**.
- Contributed to a scalable network empowering users to securely host and share files without reliance on centralized servers.

Xoog | Sarvalabs Inc. | xoog.ai | September 2023 - Present

- Developed a blockchain-integrated Outlook add-in enabling **end-to-end encryption** of emails and attachments within organizations.
- Designed **smart contract-driven permissions** to manage organizational access, ensuring secure and auditable communications.
- Delivered a seamless user experience for enterprise clients, **enhancing trust and compliance** in internal communications.
- Implemented CI/CD pipelines and monitoring systems to ensure reliable deployments, rapid issue detection, and continuous performance optimization.

SKILLS

Frontend development: HTML, CSS, Tailwind CSS, Javascript, Typescript, ReactJS, NextJS

Backend: NodeJS, ExpressJS, Go Lang

Database: PostgreSQL, Redis

App Development: Flutter

Other: GIT & Github, Grafana, Solidity, Pentesting and Bug hunting

INVOLVEMENT

Publication | GITAM University | Research | August 2022 - April 2022

- Researched various OWASP vulnerabilities, analysing their root causes and identifying preventive measures to mitigate security risks.
- Conducted hands-on experiments to analyse Cross-Site Scripting (XSS) behavior.
- Published a Research paper in ResearchGate - [Link](#).