

Sudharsan P

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SUMMARY

Backend-focused Software Engineer (early-stage) building production-ready systems with emphasis on reliability, performance, and scalability. Systems-first mindset shaped by exposure to high-performance engineering practices (low-latency, debugging, clean architecture). Actively building real-world systems.

PROJECTS

Zelicon – 3D Icon Library

Live | GitHub

Next.js, TypeScript, Three.js, WebGL

- Engineered a 3D icon library to deliver interactive, high-fidelity visual assets for modern web experiences
- Built a scalable frontend architecture with Next.js and TypeScript for maintainability, performance, and rapid iteration
- Implemented real-time rendering, asset previews, and responsive UI flows to improve discovery and reuse

Stack Privacy (Repo Stack Analyzer)

Live | GitHub

Next.js, TypeScript, API

- Built a repository intelligence tool to extract technology stack, dependencies, and project structure from public GitHub repos
- Integrated the GitHub REST API for real-time metadata retrieval and repository analysis
- Developed parsing logic for config files, package manifests, and directory hierarchies to surface codebase insights

DECURL (Decentralized URL Shortener)

Live | GitHub

Next.js, Node.js, Web3

- Built a decentralized URL shortener for secure link creation, redirection, and management
- Developed backend services in Node.js for URL generation, routing, and persistent storage

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Frontend: React.js, Next.js

Backend: Node.js, Express.js, REST APIs, WebSockets

Databases: PostgreSQL, MySQL, MongoDB

DevOps: Docker, AWS (basics), CI/CD, Linux (Arch)

Web3: Ethers.js, Solana, IPFS, EVM, Smart Contracts

EDUCATION

Apollo Engineering College

2022 – 2024

B.E. Computer Science

Apollo Polytechnic College

2019 – 2022

Diploma in Computer Science and Engineering (DCSE) CGPA: 8.9