

Sakthivel Ramamoorthi

B.E. Computer Science and Engineering

sakthivel.ramamoorthi2001@gmail.com | +91 8270139430 | Portfolio | Github - sakthivelramamoorthi2001

Professional Summary

Software Engineer with 4+ years of experience building scalable digital products using React.js and Node.js. Experienced in developing microservices architecture web applications, including audio/video calling and chat integrations using Janus WebRTC Server. Expertise in building complex admin panel systems with robust role-based access control (RBAC) and dynamic UI rendering based on user permissions. Proficient in designing and implementing SDK integrations and third-party services from scratch. Strong in REST API development and secure authentication mechanisms. Additionally, experienced in integrating AI-driven features using Python and FastAPI, including chatbots and intelligent search systems.

Technical Skills

JavaScript, TypeScript	React.js, Redux, Tailwind CSS	Storybook
Node.js, Express.js	REST APIs, WebSockets	JWT/Auth
PostgreSQL, Prisma ORM	OpenAI API, RAG	Semantic Search, DataStax Vector DB
SDK Integration (JavaScript)	Git, Husky	PM2 /Vercel
Figma		

Professional Experience

Contus Tech - Hybrid, Chennai 2024 – 2026

- Developed scalable real-time communication systems using WebRTC, WebSockets, and microservices architecture with chat and audio/video calling features using Janus WebRTC Server, including backend services, WebSockets, and end-to-end system integration.

VGTS - Hybrid, Chennai 2022 - 2024

- Built scalable admin panel applications using the PERN stack, implementing role-based access control (RBAC), dynamic UI rendering, secure REST APIs, and database optimization.

Projects

Worked on 8+ projects including real-time communication platforms, AI-driven applications, and scalable admin panel systems

Masdr

Built a **micro-frontend** based real-time application with audio/video calling, chat, call transfer, and join call features.

React.js, Call SDK, Chat SDK

Psychic Cloud

Developed a real-time platform with audio/video calling, **AI chat**, and AI-driven call features using **OpenAI** and DataStax.

React.js, Node.js, DataStax, OpenAI

Surgtest

Built a highly customizable admin panel with **RBAC**, including dynamic UI rendering and role-based controls.

React.js, Node.js, PostgreSQL

Turtle Egg Collection

Developed a data tracking system with Node.js and PostgreSQL, handling multi-location data processing.

Node.js, PostgreSQL

Independent Projects

- Umitrix** `umitrix.in`: Built a complete HRMS application from scratch with **role-based access control (RBAC)**, handling Employee management, Permissions, Attendance, Salary, Payroll Management.
- credential-dev (NPM Package)**: Developed a utility package to streamline credential generation (usernames, passwords, emails) with optimized and reusable functions for efficient data handling.