

SOJAN O NELSON

Software Engineer

+91 8590071829 sojanonelson54@gmail.com

Trivandrum, Kerala

[LinkedIn](#) [GitHub](#) [Portfolio](#)

Skills

Programming Languages: JavaScript, TypeScript, Python, C, C++

Frontend: React, React Native, Tailwind CSS, Bootstrap, Redux Toolkit, Saas

Backend: Node.js, Express.js, Python, .NET, RESTful API, yarn

Architectures: Microservices, Clean Architecture, MVC, API Integration, Agile & Scrum

Database & Storage: MongoDB, MySQL, Firebase, AWS S3

Deployment: Docker, CI/CD, AWS EC2, Vercel, Render, Digital Ocean

Tools: Git, GitHub Actions, PlatformIO, Postman, Swagger, Jira, Figma, npm, Nmap, Kali Linux

Professional Skills: Problem Solving, System Design, Debugging, Leadership, Team Collaboration, Communication, Critical Thinking, Adaptability, Continuous Learning

Professional Experience

Aug 2025- Software Developer, Webyfy iot pvt

Present As a Software Developer and Lead Architect, I design and develop scalable software solutions, enterprise platforms, and developer tools. I lead the architecture of Adwvayam IDE, a next-generation embedded systems and IoT development environment, while delivering complex products, research showcases, and innovative solutions for educational and enterprise organizations.

Mar 2024- Full stack Developer, Fosoft Solutions

Aug 2025 Developed and maintained a scalable EdTech platform, building secure frontend and backend applications with real-time communication features. Focused on performance, user experience, and scalable architecture for production environments.

Jun 2024- Software Developer, Freelance

Jul 2025 Worked with clients to design and develop custom web and mobile applications, delivering end-to-end software solutions using the MERN stack while gaining practical experience in full-stack development, deployment, and client collaboration

Jan 2023- Software Developer Intern, Null Class

Mar 2023 Developed AI-powered applications by integrating large language models into web platforms, contributing to real-world projects while strengthening full-stack development and problem-solving skills.

Projects

Chord Beat | [Live](#)

A web-based platform that allows users to play musical instruments online, record music, and control sound dynamics through an interactive interface. Currently, users can access a variety of instruments, including **piano, drum, guitar, and violin**, all with responsive and user-friendly controls.

Technologies: React, Node.js, Express.js, MongoDB, JWT authentication, Web Audio API for audio optimization, Unity (for upcoming graphics/studio)

Kasavu aalayam | [Live](#)

Built a responsive and SEO-optimized e-commerce website with an admin panel for product and stock management, business analytics, and dynamic content updates. Integrated JWT & OTP authentication, Razorpay payments, and Cloudinary for image handling, with a Node.js backend deployed on Vercel.

Technologies: MongoDB, ReactJS, NodeJS, Vercel, Cloudinary API, RazorPay Gateway

Adwayam IDE | [advayamtech.in](#)

Lead Architect

Led the architecture and development of **Adwayam IDE**, a next-generation embedded systems and IoT development environment built on **Code - OSS**. Designed the system architecture and implemented core features, including PlatformIO integration, MicroPython support, ESP32 flashing, project management, serial monitoring, and custom extensions for a unified cross-platform development experience.

Word Wave AI | [Live](#)

Developed an AI-powered collaborative learning platform with real-time chat, room-based discussions, and LLM-assisted learning using speech and text interactions.

Technologies: Python, MongoDB, JWT, WebSockets, Ollama LLaMA 3.2 for LLM integration, STT, TTS, room management, chat features, and cloud deployment/optimization.

Education

2022- **Bachelor of Computer Application**

2025 East West College of Management, Bangalore

Add on: Cloud Computing AWS

2020- **+2 – Computer Science**

2022 St Jhon's HSS, Undencode

Extra-Curricular Activities:

- Active Cadet in National Cadet Corps – Participated in drills, parades, and annual camp

Certificates

WIFI PENTESTING 101 - Cappriciose University

Issued: 2025

Credential ID: ac4371fe2ef476f0a8b9

[Certificate](#)