

SANJU

Full Stack Developer & Security Engineer

India

github.com/sddion

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PROFESSIONAL SUMMARY

Self-taught full-stack developer and security enthusiast with a strong foundation in building scalable web applications, automating system operations, and exploring embedded hardware limits. Passionate about "learning by doing," with a diverse portfolio ranging from complex OS simulations to practical e-commerce solutions. Adept at rapid prototyping, debugging complex systems, and delivering secure, performant software.

TECHNICAL SKILLS

Languages

TypeScript, JavaScript (ES6+), Python, Bash, C++, HTML5/CSS3

Frontend

React.js, Next.js, Tailwind CSS, Framer Motion, Redux

Backend & DevOps

Node.js, Express, MongoDB, Linux (Kali/Ubuntu), Docker, Git

Security & Hardware

Penetration Testing, Bash Scripting, Arduino, ESP32/8266

EXPERIENCE

Independent Developer & Researcher

2023 - Present

- Architected and built **SanjuOS**, a web-based operating system portfolio featuring a functional window manager, terminal emulator with real logic, and responsive UI.
- Developed **Bagley**, a personal AI assistant integrated into desktop workflows for automation.
- Conducted security research on local network vulnerabilities, creating custom Bash tools for network auditing.
- Engineered multiple full-stack prototypes including e-commerce platforms and real-time chat applications.

Operational Roles (Swiggy / Zepto / Zomato)

2021 - 2023

Gained critical insights into logistics, high-pressure operations, and user-facing service delivery. This experience honed my problem-solving skills and resilience in fast-paced environments.

PROJECTS

Portfolio OS (Web)

A complex React application mimicking a Linux desktop environment. Features include a custom window management system, valid terminal interactions, theme switching, and real-time API integrations.

Hardware Automation

Created custom scripts for ESP8266 microcontrollers to automate home network tasks and monitor local traffic patterns.