JODHAN SAJI

SOFTWARE ENGINEER

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PROFESSIONAL EXPERIENCE

Talkinglands - Software Engineer   Sep 2024 - Current

- Architected and deployed **map-centric** front-end systems for nationwide property intelligence platform, processing **10M+ GeoJSON data points** with **<100ms render times** while maintaining 60fps interaction performance across complex multi-layer visualizations.

- Engineered advanced spatial analytics engine using **MapLibre, Turf.js, and Geoman** to deliver location-based intelligence on **risk assessment, traffic patterns, noise levels, connectivity, and infrastructure**—reducing property analysis time from hours to minutes for enterprise clients.

- Built deep analytics pipeline converting **raw geospatial datasets into decision-ready visual intelligence** across multiple property intelligence products (**Insights, Discover**), enabling data-driven investment decisions for 5k+ active users.

TechInject Pvt Ltd - Full Stack Developer   May 2023 - Sep 2024

- Delivered **15+ production-ready full-stack applications** using Svelte, React, Firebase, Node.js, and Tailwind across **e-commerce, healthcare, and education sectors**—consistently shipping complex projects within 3-6 week timelines while managing direct client communication and requirements gathering

- Built high-impact solutions including **real-time inventory system for Shrey Sports** (75% reduction in stock discrepancies, 1000+ daily transactions) and **HIPAA-compliant medication tracking app PillUp** (5K+ active users, 95% notification delivery rate)

TECHNICAL SKILLS

Next JS	**Svelte-Kit**	**TypeScript**	**Firebase**	**Tailwind** / BootStrap	**MapLibre/Turf**	**Geojson**	Tanstack
Nginx	Arduino	Block Chain	**React Naitve**	ESP8266	Figma / Photoshop	Geoman	Nuxt JS	Linux

PROJECTS

AIR CANVAS   *Demo*   *Github*
A real-time hand-gesture drawing application using camera-based landmark tracking for touchless interaction.

AIR-IMG   *Demo*   *Github*
AI image generation web app using *MERN, Stable Diffusion, Tailwind, and Cloudinary.*

MAP-NEST   *Demo*   *Github*
Interactive map-based app for exploring geographic insights using *Map Libre and Svelte-Kit*

ESP8266 WIFI DEAUTHER   *Github*
Wireless network scanning and multi-AP simulation utility using *ESP8266, Arduino and C++*

EDUCATION

Bachelor of Technology in CSE   *Jalandhar, Punjab*
Lovely Professional University   *May 2019 - May 2023*

PUBLICATIONS

Serverless Architecture of Web Applications -2023 - Link

POSITIONS OF RESPONSIBILITY

NSS Team Leader – Led the NSS camp at Pakam, Wayanad.