SURAJMAL SUTHAR

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PROFESSIONAL EXPERIENCE

TECHNOSOFTWARE   **Jaipur, Rajasthan**
Nodejs Developer   **Oct. 2024 - May 2025**

- Engineered robust, production-grade **RESTful APIs** using **Node.js, Express**, and **MongoDB/MySQL** to support diverse client applications.
- Participated in database schema design, query optimization, and implemented indexing to improve data retrieval performance by up to 30%.
- Authored comprehensive **API documentation** using **Swagger/Postman**, ensuring clarity and ease of integration for frontend developers.
- Collaborate **cross-functionally** in Agile teams to deliver new features, resolve live issues, and conduct thorough code reviews.
- Developed and extended **JavaScript classes and prototypes** to encapsulate business logic, enabling better abstraction and reducing code duplication.
- Modularized business logic using **JavaScript classes** and reusable middleware, improving code maintainability and reducing duplication.
- Communicated directly with clients to gather requirements, clarify technical expectations, and provide progress updates, ensuring alignment between development and business needs.

PROJECTS

TRP WORLD   LINK

This **B2B Hotel Booking Platform** is designed to facilitate seamless hotel reservations for travel agencies and agents. The platform offers real-time hotel availability, dynamic pricing, and bulk booking capabilities tailored for business needs

- Designed and deployed **20+ RESTful endpoints** for hotel search, booking workflows, and partner management using **Node.js and Express.**
- Integrated **2 external supplier APIs**, expanding the platform's inventory by **1,000+ properties** and enabling real-time rate and content synchronization.
- Developed a centralized **10+ business analytics API** for the **admin panel**, surfacing insights on bookings, revenue, top destinations, and sales trends.
- Designed and integrated **token-based authentication** using **JWT**, securing all API endpoints for agents, hotel partners, and admins as role-based access control.
- Optimized SQL queries and added indexes in **MySQL**, improving API response times by **up to 40%**; leveraged **Sequelize ORM** for clean abstraction and efficient complex query handling
- Implemented **rate limiting** using middleware to protect external hotel supplier APIs from overuse, ensuring compliance and preventing request throttling.

PASSION FARMS ECOMMERCE (FREELANCE)   LINK

Passion Farms is a modern **e-commerce platform** built for a rapidly growing cannabis brand aiming to streamline online sales and enhance customer experience. The platform enables users to browse a variety of cannabis products, view real-time inventory, and place secure orders with seamless checkout.

- Developed and maintained a modular **Turborepo monorepo** architecture for scalable code sharing across store, admin, web using **Next js** and backend services.
- Built **type-safe**, scalable APIs using **tRPC** and **Prisma** with **PostgreSQL**, enabling fast and reliable product, order, and user management.
- Integrated **Coinbase Commerce** for seamless **100+ crypto currency payments**, with webhook-based order confirmation and real-time payment status tracking and Connected **Pirate Ship API** for automated label generation, order tracking, and delivery updates.
- Designed and deployed a powerful **admin dashboard** for managing inventory, orders, revenue reports, and live business analytics.
- Ensured sub-second API responses and smooth UX through **server-side caching**, pagination, and query optimization.

- Implemented a real-time **community chat system** using **Socket.io**, and leveraged **Redis Pub/Sub** for efficient message broadcasting and horizontal scaling across multiple server instances
- **Deployed backend services on AWS EC2** and used **Amazon S3** for storing and serving product images and assets, ensuring high availability and scalability.

SKILLS

- **Technical Skills**: Javascript, Typescript, C/C++, Python, Node js, MySql, Postgres, Mongodb, Trpc, React, Next js.
- **Tools** : Git, Postman. Docker, AWS.
- **Languages**: Conversational Proficiency in English, Hindi.

OPEN SOURCE CONTRIBUTION

UNSEND (#PR 108)
- Implemented a feature to filter emails based on Domain ID and API ID by raising a Pull Request (PR) with backend API enhancements and corresponding UI integration, improving data accessibility and user control.

FORMBRICKS (#PR 6130, 4447)
- Fix real time Updation of project name and reflect to all other components without whole window reload for better user experience and Typos.

REACT-PHOTO-STUDIO(#PR 168)
- Change All PNG assets to SVG to improve the codebase.

EDUCATION

TECHNO INDIA NJR   **Udaipur, Rajasthan**
Bachelor of Technology, Major in Computer Science   **2020 - 2024**
- Comprehensive coursework in data structures, algorithms, databases, software engineering, operating systems, computer networks, and web development, with hands-on experience in programming and problem-solving.