Jastagar Singh Brar Software Developer

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
Skills

Nextjs | React | React Native | Springboot | Java | Typescript | Threejs | Redux | Nodejs | Design Patterns | HTML, CSS, JS | Blockchain | Redis | Low Level Design

Experience

Ikarus 3D 🔗   Oct 2023 – present | Mohali
Software Developer

- **Ikarus Delta Configurator** 🔗 , a platform for 3d designers and business owners to uplift their sales via integrating 3d configurators.
  - **Developed a scalable 3D Product Configurator** for B2B SaaS platforms using **Threejs** and **React Three Fiber**, integrated with 16+ ecommerce systems, increasing user engagement by 30%.
  - **Optimized backend API efficiency**, reduced API calls by 200%, enhancing performance by cutting server load and hence improving user experience.
- **Ikarus Modular Product** 🔗 , built a drag-and-drop tool enabling clients to design, visualize, and request custom furniture quickly and easily.
  - **Designed a client-focused drag-and-drop interface** enabling real-time customization and visualization of furniture designs.
  - **Implemented scalable and modular architecture** to enhance usability, streamline order requests, and improve customer satisfaction.

Personal Projects

Book My Driver 🔗   May 2024 – present
Get chauffers for your chores
Video Demo 🔗
A comprehensive driver booking platform offering tailored services for clients, with two React Native apps for client and driver sides. Clients can book drivers for specific tasks and select routes before booking.
- Engineered a cost-free backend infrastructure using **Spring Boot and Node.js** microservices, ensuring zero platform fees for up to 100 daily active users.
- **Implemented live driver location tracking with Redis**, enhancing route visualization and real-time updates.
- Integrated **OLA's APIs** for efficient route and direction fetching, improving client experience and navigation accuracy.
- Built a scalable database architecture with **MongoDB**, supporting MVP development and ensuring scalability.
- Developed highly responsive **React Native** apps for iOS and Android, facilitating intuitive user and driver interactions.

AgriTech 🔗   Mar 2023 – Apr 2023
Crowd Funding for Farmers
Video Demo 🔗
A one stop and crowd funding platform for farmers where transactions are secure and reliable due to the use of Blockchain technology along with a crypto wallet system. Implementation of ecommerce facilities to reduce reliance on external platforms.
- Increased transaction security by engineering ERC20 crypto tokens KissanCoins "KCO".
- **Enhanced farming efficiency by about 25%** with integrated inventory, planning, and finance management tools.
- Developed a highly customizable and user-friendly campaign creation system, significantly boosting engagement.
- Facilitated profitable crypto purchases with Razorpay integration.
- Fabricated the platform to **support over 100 languages**, facilitating onboarding for farmers to increase user base.

Education

B.Tech   2020 – 2024 | Rajpura, India
Chitkara University 🔗
- CGPA- 9.4

Awards

Solving For India Hackathon   May 14, 2023
Google, AMD and Geeks for Geeks
Secured **1st position among 45000** registered teams in the regional Round and 4th position all India

Coffee and Code Winner
Punjab University
Secured **1st position** in the 24 hour no-break hackathon for best full stack project.