

# Binod Joshi

✉ binodjoshi849@gmail.com

☎ 7906995394

📍 Dehradun, India

🌐 LinkedIn

🐙 Github

🔗 Portfolio

## PROFILE

Backend-focused Full Stack Developer with 1 year of experience in building various types of applications using Node.js, Express.js, MongoDB, Socket.IO, Redis, Kafka, Docker, and microservices architecture. Also skilled in React.js and Redux Toolkit for frontend development. Committed to delivering optimized, scalable, and high-quality solutions.

## PROFESSIONAL EXPERIENCE

### Backend Developer, Telepathy infotech

08/2024 – present | Jaipur, India

- Engineered a VIP live-streaming platform with **microservices architecture**, integrating **Agora SDK** and **Socket.IO** to achieve a **95%** real-time communication success rate during peak usage.
- Optimized backend messaging by deploying **Redis Pub/Sub architecture**, enhancing message delivery efficiency by **40%** and ensuring system stability under heavy loads.
- Utilized **Kafka** for event-driven messaging, enhancing the reliability and scalability of data streams, improving system throughput by **30%**.
- Containerized backend services with **Docker**, streamlining deployment and increasing scalability by **50%** across environments.
- Designed secure **payment** flows and reduced transaction failure rates by 25%, improving user payment success rates and boosting platform trust.

### MERN Stack Developer Intern, Metalnnovix

01/2024 – 06/2024 | Pune, India

- Contributed to the "**EduSpark**" educational web application, reducing API response times by 20% through optimized backend routes and MongoDB queries. Also optimized API integration using **Redux Toolkit** and **RTK Query**.
- Resolved complex R&D challenges, accelerating development timelines by 20%.
- Actively contributed to strategic implementation of new features and improvements, fostering a collaborative team environment.

## PROJECTS

### VIP Live-Streaming Platform

- **Developed an interactive live-streaming and chat platform** using **Node.js**, **MongoDB**, and **Socket.IO**, featuring Agora-based **broadcasting**, real-time chat, and secure payment integration for premium content access.
- Implemented a **Lambda function** to generate video teasers.
- **Enabled user-generated content uploads**, increasing user engagement and facilitating better interaction between creators and audiences.
- **Implemented Redis Pub/Sub and Kafka** for real-time, event-driven messaging, improving **message** broadcasting speed by **40%** and boosting system throughput and scalability by **30%** during peak load testing.

### Home Lead

- Built **HomeLead**, a comprehensive property management solution for builders, using **Node.js**, **MongoDB**, **Redis**, **Socket.IO**, and a **microservices architecture**.
- Developed core functionalities including **lead tracking**, **real-time customer communication**, and **sales management** to streamline daily operations.
- Implemented advanced features such as **API integration**, **role-based permissions**, **automated workflows**, **inventory management**, and **detailed reporting**, boosting productivity and supporting business growth.

### EduSpark

- **Developed EduSpark**, an all-in-one educational management system for schools and colleges, using **React** and **Node.js** for a seamless user experience and robust backend architecture.
- Integrated **Socket.IO** for real-time communication and **Stripe** for secure and efficient payment processing.

### Digital Commerce Solution

- **Built a high-performance e-commerce platform** using Node.js, React, Redux Toolkit, MongoDB, Redis, and Socket.IO, with features like real-time interactions, inventory management, and secure **payment** processing.
- **Implemented Redis caching**, boosting application speed and efficiency by **50%**, ensuring faster data access and a smoother user experience.

## SKILLS

- MongoDB, Express.js, Node.js, JavaScript, TypeScript, Socket.IO, Redis, Kafka, Docker, GitHub, AWS (S3, Lambda Functions), Redux Toolkit, React.js, RTK Query.

## EDUCATION

### B.Tech, Computer Science & Engineering

2020 – 2024 | Dehradun, India

Tulas Institute

Percentage: 75%