Jugal Sharma

MERN Stack Developer

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PROFESSIONAL SUMMARY

MERN Stack Developer with expertise in building scalable, event-driven web applications and APIs. Skilled in Node.js, Express, MongoDB, React, Kafka, and Redis, with hands-on experience in microservices, real-time communication, caching strategies, and distributed architectures. Passionate about high-performance systems, handling 10K+ API requests/min and processing 50K Kafka messages/min.

TECHNICAL SKILLS

- **Frontend:** DSA , Javascript , React.js
- **Backend:** Node.js , express.js , Socket.io , Rest Api , MongoDB
- **Messaging & Caching:** Kafka , Redis , BullMQ
- **DevOps & Cloud:** Docker, GitHub

PROJECTS

MERN LOGIN SYSTEM | • KAFKA • REDIS • MULLMQ

- Built a MERN stack signup/login system with secure JWT + OTP authentication.
- Integrated OAuth2 GitHub authentication for seamless third-party login.
- Implemented a scalable Kafka event-driven architecture
- Implemented OTP email notifications with BullMQ for reliable asynchronous delivery.

MERN REST API | • Kafka • Redis • BULLMQ

- Developed MERN stack REST API microservices with efficient query-based search functionality.
- Integrated Redis caching to accelerate MongoDB queries and improve response times.
- Implemented Kafka-based inter-service communication, achieving scalable throughput of 50K+ messages/min.

MERN Stack Real-Time Analytics Dashboard (Metrics Monitoring) | Socket.io • Redis

- Implemented server metrics collection and sent updates to clients in real-time using Socket.io.
- Used Redis pub/sub for scalable metric broadcasting across multiple instances.

MERN Live Bitcoin Price Tracker | • Kafka • Redis • Socket.io

- Live crypto data streaming with Socket.io, sending real-time updates to clients
- Interactive client-side bar chart for live chat and Bitcoin price visualization
- Scalable data storage and processing using Kafka with Redis caching

EDUCATION

KVs Bantalab (2016)

Council of Secondary Education (2018)

LANGUAGES

HINDI