

# Priyanka Anil Vishe

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## SUMMARY

**Software Development Engineer** with hands-on experience in building **scalable backend systems and web applications** using Node.js, Express.js, MongoDB, Redis, and React.js. Strong background in designing **high-performance APIs**, optimizing database queries, and improving system reliability. Experienced in working with **distributed systems, cloud-based services, and production-grade applications** serving large user bases. Passionate about writing clean, maintainable code and solving real-world engineering problems.

## SKILLS

**Technical:** JavaScript, Node.js, Express.js, React.js, Tailwind, REST APIs, MongoDB, Mongoose, Redis, Redis Sentinel, SQL, FFmpeg, HLS Streaming, JWT (Public–Private Key), RabbitMQ (Beginner), GCP Pub/Sub, Docker, Docker Compose, Jest  
**Tools:** Git, Docker, Docker Compose, Google Cloud Platform (GCP), Visual Studio Code (VS Code), Postman, Cursor

## EXPERIENCE

### Jio Platforms Limited

Navi Mumbai, India

#### Software Development Engineer

Aug 2023 – Present

- Worked on large-scale **video streaming and content management platforms**, handled millions of users.
- Built and optimized **HLS-based streaming pipelines** with adaptive bitrate support (480p - 1080p), improving playback stability and reducing buffering.
- Migrated live streaming infrastructure from **NGINX RTMP to SRS**, reducing streaming latency by **~50%** and enabling ultra-low latency playback (1–2s).
- Designed **multi-tenant backend architecture** with subscription plans, feature flags, and tenant lifecycle management.
- Developed **schedule livestream APIs**, playlist management, and media metadata handling.
- Built **media and playUrl APIs** with optimized MongoDB queries and CDN integration, improving response time by **~40%**.
- Implemented **real-time analytics APIs** for views, likes, and engagement tracking using Redis caching.
- Automated **transcription workflows** using JWT authentication and GCP Pub/Sub, reducing manual processing by **80%**.
- Developed **Super Admin APIs** for tenant management, feature control, and role-based access.
- Built **React components** for media uploads, tenant configuration, and admin dashboards.
- Improved system reliability by resolving production issues related to streaming, CDN caching, authentication, and notifications, maintaining **99.9% uptime**.
- Containerized services using Docker and supported Redis setup, log management, and environment optimization.
- Actively supported production deployments, bug fixes, and performance tuning for live systems.
- Developed a **Three.js-based UI POC** for JioGames to visualize interactive game banners and content cards, implementing basic camera controls, animations, and responsive layouts to enhance user engagement.
- Built a **Three.js POC to visualize transcription output**, rendering timed captions and content overlays.

### TCR Innovation

Remote

#### Frontend Web Developer - Intern

Jan 2022 – Apr 2022

- Developed an e-commerce platform ShopInsta using HTML, CSS, JavaScript, Bootstrap.
- Built responsive UI pages, implemented reusable components, and improved overall user experience.
- Collaborated with senior developers to refine layouts and optimize frontend performance.

## PROJECTS

### Mini-Jira – Task Management System ([Live](#)) ([Link](#)) (React, Redux Toolkit, Node.js, Express, MongoDB, Tailwind CSS)

- Developed a task management system using Redux Toolkit, role-based task assignments.
- Built a **real-time analytics dashboard**

### TicketX – Event Booking & Ticketing Platform ([Link](#)) (Node.js, Express, MongoDB, Stripe, Redis, React)

- Built a ticketing platform with **Stripe payment integration**, webhook-driven booking
- Implemented **JWT authentication**, Redis caching, rate limiting

## EDUCATION

Vidyalankar Institute of Technology

Mumbai

**Bachelor of Engineering** in Electronics & Telecommunication

2019 – 2023

## CERTIFICATION

Namaste Node - [namastedev.com](https://namastedev.com)

SQL - Relational Database Design - [coursera.org](https://coursera.org)