

Priyanka Anil Vishe

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SUMMARY

SDE-1 at Jio with hands-on experience in building scalable video-streaming, livestreaming, and SaaS platforms across JioGames, SCI, and JioStream. Strong expertise in Node.js, Express.js, MongoDB, Redis, Docker, and GCP.

Delivered multiple high-impact backend features including HLS playlist workflows, transcription automation, engagement systems, ads, authentication pipelines, and distributed caching.

Focused on backend performance, reliability, and cloud-native engineering — improving system stability, reducing manual overhead, and resolving critical production issues across live environments.

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 – (Node.js, Express.js, MongoDB, Redis, Docker, GCP)

Aug 2023 – Present

- Delivered backend features across **JioGames, SCI, and JioStream**, powering real-time video workflows, livestream automation, and large-scale content delivery.
- Integrated **HLS playlist modification** and optimized transcoding workflows, reducing latency and improving playback stability.
- Implemented **transcription pipeline** using JWT (public-private key) and automated workflows for livestream videos.
- Built **Schedule Livestream** and metadata APIs, enabling creators to manage upcoming and past streams efficiently.
- Improved database performance through **MongoDB query optimization**, projections, and caching (JioStream).
- Built **playUrl API for mediaSources** and optimized media query logic for faster asset fetches.
- Implemented features like **Engagement Key (Namo)**, **Static AdSpots (JioGames Admin)**, and tenant/plan expiry logic, ensuring seamless subscription flows.
- Developed newsletter delivery logic: ranking, scheduled dispatch, subscriber/unsubscriber handling.
- Fixed critical bugs across NIC, Studio-SuperAdmin, Namo, and SCI — covering email notifications, OTP caching, status updates, video playback issues, and CDN caching.
- Provisioned **Redis Sentinel** setup and assisted in environment setup for dev/stage infrastructure.
- Automated **AWS/GCP deployment scripts** and handled **Dev, Stage, and Production deployments**.
- Improved system reliability by addressing **Docker vulnerabilities**, optimizing storage, clearing logs, and monitoring container health.
- Created **load test cases** (SCI) for performance benchmarking and backend stability.
- Contributed to **Matomo analytics configuration** and implemented real-time views/likes tracking for media.

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

TicketX – Event Booking & Ticketing Platform

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

Mini-Jira – Task Management System

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**

EDUCATION

Vidyalankar Institute of Technology

Mumbai

Bachelor of Engineering in Electronics & Telecommunication

2019 – 2023