

Jagannath Shingne

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🌐 [Portfolio - jagannath.dev](#) – [GitHub - JagannathShingne01](#) – [LeetCode - jagannath_21](#)

Professional Summary

MERN Stack Developer with **1.2+ years of hands-on experience** building and scaling full-stack applications using Node.js, Express.js, React.js, and Next.js. Experienced in designing features from scratch and leading small teams, delivering secure and high-performance solutions. Strong background in scalable microservices, RESTful APIs, responsive frontends, and cloud deployments using Docker and CI/CD pipelines.

Experience

Kairosoft AI Solutions

MERN Stack Developer

Dec 2024 – Present

Mumbai, Maharashtra

- Designed and developed Volkai HR, an agentic **AI Platform** for interview automation, improving recruitment efficiency.
- Led **system design** for a high-performance, fault-tolerant architecture and integrated **third-party APIs** to enhance platform capabilities.
- Implemented a **microservices architecture** using **Node.js** and **Express.js**, improving API response time by **25%** and reducing server load by **30%**.
- Designed and developed scalable **RESTful APIs** with secure authentication, including **Single Sign-On (SSO)** for unified multi-service access.
- Built an **AI agent** using **LangChain** and **LangGraph** to execute structured workflows, manage state, and handle tasks autonomously.
- Converted synchronous video processing into a **RabbitMQ-based asynchronous pipeline**, reducing API response time by **70–80%** and enabling scalable background processing.
- Implemented **secure payment integration** and automated backend operations using **cron jobs** to improve system reliability and efficiency.
- Used **Docker** for containerization and implemented **GitHub Actions** workflows for automated **CI/CD**.
- Deployed and managed applications on **DigitalOcean** Droplets and App Platform, overseeing the product lifecycle from planning to production release.
- Built a production-ready, automated **MongoDB backup and restore system** using mongodump, scheduled jobs, and **S3**, with metadata tracking and safe cleanup for disaster recovery.
- Wrote unit and integration tests for APIs using **Jest** to ensure code reliability and maintainability.
- Developed a responsive frontend using **Next.js**, **React.js**, and **Tailwind CSS**, ensuring optimal performance and cross-device compatibility.

Projects

Real-Time Meeting Platform | (Node.js, Express.js, WebSockets, WebRTC, Microservices, Docker) | [GitHub](#)

- Built a scalable application using a **microservices-based architecture**, enabling independent services.
- Implemented **WebRTC-based video and audio calling** to support real-time, low-latency peer-to-peer communication.
- Developed **real-time chat functionality** using **WebSockets** for instant message delivery.
- Designed and integrated a **collaborative whiteboard feature** with real-time drawing and synchronization across participants.
- Implemented secure **authentication and room management** to handle multi-user meetings efficiently.

Coursify | (React.js, Node.js, Express.js, Tailwind CSS, MongoDB, Razorpay, Cloudinary, JWT) | [GitHub](#)

- Developed a system for admins to manage lectures and users to watch them via an intuitive, responsive front-end interface.
- Implemented secure payment functionality using **Razorpay**, enabling seamless transactions.
- Ensured robust user authentication and authorization using **JWT**.
- Integrated **Cloudinary** for efficient media storage and management.

Technical Skills

Languages: TypeScript, JavaScript, Java, SQL

Frontend: HTML, Tailwind CSS, React.js, Next.js, shadcn/ui

Backend: Node.js, Express.js, RESTful APIs, JWT, Microservices

Databases: MongoDB, MySQL, Redis

Messaging & Real-Time: RabbitMQ, WebSockets, WebRTC

DevOps & Cloud: Docker, CI/CD, GitHub Actions, DigitalOcean

Testing & Tools: Jest, Git, GitHub, N8N

AI & Automation: LangChain, LangGraph

Concepts: Data Structures & Algorithms, System Design, SDLC

Education

Mumbai University

2023

Bachelor of Science in Information Technology (GPA: 7.5 / 10)

Dombivli, Maharashtra

- Learned and applied database design, backend development, and API integration in academic and personal projects.

Courses

- **Full Stack Developer** – [PW Skills Certificate](#)
- **Java Full Stack Development** – [Mettl Certificate](#)