

Ved Chaudhari

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Professional Experience

Wharf Street Studios (Wharf Street Strategies)

Node.js Developer

Navi Mumbai, MH
Jan 2025 – Present

- Built and scaled **REST APIs** for high-traffic production applications using **Node.js** and **MongoDB**, integrating **WebSockets** for real-time data flow.
- Achieved **40%** API latency reduction through **Redis**-based server-side caching and a queuing system for asynchronous task processing.
- Architected secure real-time messaging modules using **Socket.IO**, achieving **sub-50ms** message delivery across concurrent sessions.
- Executed production deployments on **AWS EC2**, configuring **Nginx** reverse proxy with SSL and building **Dockerized CI/CD** pipelines for automated builds and releases.
- Contributed to production web applications, collaborating on frontend implementation and backend API integration beyond core backend responsibilities.

Wharf Street Studios

Node.js Backend Intern (Gaming Platform)

Navi Mumbai, MH
Oct 2024 – Jan 2025

- Developed **Node.js** backend services for multiplayer systems, building clan (player group) features such as team creation, invitations, roles, real-time leaderboards, and notifications using **WebSockets**.
- Contributed to backend feature development and bug fixes, improving production stability and multiplayer reliability.
- Improved **MongoDB** query performance by **25%** through strategic indexing and schema optimization with **Mongoose ODM**.
- Supported real-time multiplayer updates using **WebSockets**, helping maintain consistent game state across connected players for **10,000+** active users.

Key Projects

Readsphere | **React Native, Node.js, Redis, Socket.IO, Docker, AWS, Nginx** GitHub | Live | Dec 2025 – Jan 2026

- Built a cross-platform social reading application using **React Native** and **Node.js**, achieving **95%** code reuse across mobile platforms.
- Implemented real-time messaging with **Socket.IO** and offline synchronization to ensure reliable message delivery.
- Optimized API response latency by **85%** (300ms → 45ms) using **Redis**-based server-side caching and **Nginx** reverse proxy with SSL.
- Implemented automated deployment pipelines on **AWS EC2** using **Docker** and **CI/CD** workflows to streamline production releases.

Microservices Blogging Platform | **Next.js, Node.js, RabbitMQ, Redis, AWS** GitHub | Live | Dec 2025 – Jan 2026

- Developed a distributed micro-blogging platform using **Next.js** and **Node.js** **microservices**, exposing services via a unified API through **Nginx** with SSL.
- Implemented asynchronous service communication using a **Queuing System (RabbitMQ)** and **Redis** caching, reducing database load by **70%** and improving API performance.
- Applied a multi-database architecture using **PostgreSQL (Neon)** for transactional blog data and **MongoDB** for flexible user profiles and authentication.
- Integrated **Google Gemini AI** for smart title generation and content refinement, and Dockerized all services on **AWS EC2** with **GitHub Actions CI/CD** for secure, zero-downtime deployments.

Technical Expertise

Languages: JavaScript (ES6+), TypeScript

Backend & Real-Time Systems: Node.js, Express.js, REST APIs, WebSockets, Socket.IO, Microservices

Messaging & Caching: Redis, Queuing System (RabbitMQ)

Databases: MongoDB (Mongoose), PostgreSQL

Cloud & DevOps: AWS EC2, Docker, Nginx, GitHub Actions CI/CD

Frontend & Mobile: React Native, React.js, Next.js

AI Integration: Google Gemini

Education

Rajiv Gandhi Institute of Technology (Mumbai University)

Bachelor of Engineering in Computer Engineering; CGPA: 8.75/10

Mumbai, MH

2020 – 2024

Narayana Junior College

Intermediate, MPC (Telangana State Board — 86.9%)

Hyderabad, TS

2018 – 2020