

Yojjal Sharma

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Summary

Full Stack Developer with hands-on experience in React.js, Node.js, and modern TypeScript, skilled at building responsive frontends and scalable backend services. Passionate about clean architecture, real-time systems, and shipping production-ready applications end to end.

Experience

MERN Stack Instructor, Urja Tech Academy March 2026 – Present

- Delivering instruction on core MERN stack technologies including MongoDB, Express.js, React, and Node.js.
- Guiding students through hands-on full-stack projects such as REST API development and CRUD-based applications.
- Explaining fundamental web development concepts including client-server architecture and API integration.
- Mentoring students in debugging, code optimization, and best practices in JavaScript and React.

Frontend Developer (Part-Time, Remote), VP IT Consultancy Pvt. Ltd. Oct 2025 – Present

- Developed the frontend of **Nepal PG**, an entrance preparation web application for Nepali students.
- Built responsive and reusable UI components using **React.js**.
- Integrated REST APIs to display dynamic exam content, practice questions, and user data.
- Collaborated with backend developers to ensure smooth API communication and performance.
- Improved code organization and component reusability to support faster feature development.

Full Stack Developer Intern, Aankhijhyal Technologies May 2025 – July 2025

- Developed responsive web interfaces using modern JavaScript frameworks.
- Built frontend components and integrated APIs for dynamic content rendering.
- Collaborated in a team environment following agile development practices.
- Learned industry practices for writing maintainable and scalable code.

Projects

QueueUp – Real-Time Squadfinding Platform

- Built a full-stack squadfinding platform with **React 19**, **TypeScript**, **Tailwind CSS 4** on the frontend and **Express.js** with **Prisma ORM** on the backend, delivering 7 routed pages and 10+ REST API endpoints.
- Implemented real-time lobby synchronization and in-lobby chat using **Socket.io**, handling bi-directional events for roster updates, member presence, and live messaging across concurrent sessions.
- Designed a type-safe service layer on both client and server with custom error handling, session-based authentication via middleware, and a guest identity system persisted through **React Context API** and **localStorage**.
- Deployed frontend on **Vercel**, backend on **Azure App Service** (Linux, Node 24), and database on **Neon PostgreSQL**, configuring CORS, WebSocket transport, and environment-based configuration for production.

DevEvent – Developer Event Discovery Platform

- Built a developer event platform using **Next.js** and **Tailwind CSS**, featuring server-side rendering, dynamic routing, and an event creation workflow.
- Implemented an event booking system with real-time attendee count display and category-based filtering across hackathons, meetups, and conferences.
- Integrated **PostHog** analytics for tracking user engagement across event listings and registration funnels. Deployed on **Vercel**.

ChitChat – Real-Time Chat App

- Built a full-stack real-time chat application with **React** on the frontend and **Node.js/Express** on the backend, handling 50+ concurrent message threads.
- Integrated **Socket.io** for bi-directional messaging with user authentication, auto-scroll behavior, and responsive layouts across devices.

Education

B.Sc. CSIT, Prithvi Narayan Campus — Pokhara

May 2022 – March 2026

- Courses: Data Structures & Algorithms, Web Development, Networking

+2 Science, Liverpool Higher Secondary School — Kathmandu

Feb 2021

Technologies & Interests

Languages: JavaScript, TypeScript, HTML, CSS, SQL

Frontend: React.js, Next.js, Tailwind CSS, React Router, Socket.io Client

Backend & Tools: Node.js, Express.js, Prisma, PostgreSQL, MongoDB, Git, REST APIs, Azure App Service, Vercel

- Passionate about building end-to-end applications with clean architecture.
- Interested in real-time systems, cloud deployment, and scalable web infrastructure.