

# POSHAN BISTA

## MERN Stack Developer

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Portfolio: [poshanbista.com.np](https://poshanbista.com.np)

GitHub: [Poshanbista](https://github.com/Poshanbista)

## PROFESSIONAL SUMMARY

I've worked as a MERN Stack Developer for quite some time now. I have solid skills in creating, building, and managing full-stack applications that can scale well. These use tools like MongoDB, Express.js, React, and Node.js every day. I handle both the front-end and back-end parts effectively. That includes making reusable components for the user interface. I also develop APIs that follow RESTful standards. Plus, I set up secure systems for authentication and authorization. I'm comfortable with current versions of JavaScript and TypeScript. I use state management solutions such as Redux. And I work with frameworks that make UIs responsive across devices. I know how to deal with NoSQL databases along with SQL ones. I optimize database queries to run smoothly. To keep performance high, I apply caching techniques. I set up load balancing properly. And I configure servers in ways that support scaling. I handle deployments by automating them through GitHub Actions. As a team-oriented problem-solver, I aim to produce code that stays clean and easy to maintain. I deliver software solutions that meet high standards. All this happens within Agile team settings.

## TECHNICAL SKILLS

Frontend	React.js, Redux Toolkit, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
Backend	Node.js, Express.js, RESTful APIs, Authentication & Authorization (JWT), WebSocket
Database:	MySQL, MongoDB, PostgreSQL
Operating Environment:	Windows, Linux
Version Control:	GIT.
Testing/Logging Frameworks:	PostMan

## EXPERIENCE

### Internship

NepDev PVT LTD

Aug 2024– Present

- Participated in the complete **Software Development Life Cycle (SDLC)** including requirement analysis, development, testing, deployment, and maintenance.
- Worked with database systems such as MongoDB and PostgreSQL to store and manage applications.
- Utilized RESTful API design and implementation to build modern, distributed web applications.
- Developed full-stack web applications using **MongoDB, Express.js, React.js, and Node.js**

## PROJECT EXPERIENCE

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### Chat Application (MERN + Socket.IO) [Poshanbista/chatWeb: MERN Stack chatting web.](#)

- Developed a **real-time chat application** using **MongoDB, Express.js, React, Node.js, and Socket.IO**.
- Implemented **WebSocket-based real-time messaging** with instant message delivery
- Added **user authentication & authorization** using JWT
- Supported **image and file sharing** with secure uploads
- Implemented **message status tracking** (sent, delivered, read)
- Integrated **Redis** for caching, socket scaling, and performance optimization
- Added **rate limiting** to prevent spam and abuse
- Implemented **CAPTCHA verification** to enhance security against bots
- Built **responsive and user-friendly UI** with React
- Ensured **scalable and secure backend architecture**

### E-Commerce Platform (MERN Stack) [Poshanbista/E-commerce-using-MERN](#)

- Product listing, filtering, and recommendations
- Content-based recommendation system
- Secure checkout and order management