

# PRABIN GAUTAM

Frontend Engineer

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## PROFILE

Frontend developer experienced in building scalable, high-performance web applications. Skilled across both front-end and back-end technologies with a focus on clean architecture, responsive interfaces, and smooth user experiences. Passionate about solving complex problems and staying current with modern frameworks and best practices.

## EXPERIENCE

### Frontend Developer

02/2024 – 05/2025 | Kathmandu, Nepal

*Freshktm*

- Revamped a large-scale ERP system with a modular UI, Excel-style grids, and reusable components, improving design consistency and performance.
- Implemented real-time multi-tab synchronization using WebSockets and Shared Workers for a smoother user experience.
- Optimized performance with IndexedDB caching, persistent filters, and parallelized data loading.
- Mentored interns and maintained in-app documentation to ensure consistent code quality and onboarding.

### Fullstack Developer

07/2023 – 01/2024 | Remote

*Freelance*

- Built responsive front ends using **Next.js** and **React**, paired with scalable **Node.js** and **MongoDB** backends.
- Integrated **Redis** caching and RESTful APIs to enhance response time, reliability, and scalability.
- Designed modular server architecture with secure authentication and reusable API patterns.

### Web Development Mentor

05/2023 – 06/2023 | Remote

*Code for Change*

- Mentored students in HTML, CSS, and JavaScript fundamentals.
- Taught responsive design principles for device adaptability.
- Guided students in building interactive UIs with JavaScript, focusing on event handling and DOM manipulation.

### IT BootCamp

07/2017 | Pokhara, Nepal

*Informatics*

Gained hands-on experience in web development

## EDUCATION

### Bachelor's degree in Computer Engineering

11/2018 – 04/2023 | Pokhara, Nepal

*Paschimanchal Campus*

### Science (+2)

06/2016 – 05/2018 | Pokhara, Nepal

*Sainik Awasiya Mahavidyalaya*

## SKILLS

**Problem solving:** Analyzing and resolving coding issues

**Team Collaboration:** Effective communication and teamwork

**UI Improvements:** Enhancing user interface design

**Real-Time Features:** Implementing live updates using WebSocket

**API Integration and Development:** Working with APIs, creating APIs.

**Wireframing/Prototyping:** Planning website layouts

**Responsive Design:** Mobile-friendly web layouts

**Version Control:** Effective use of Git and Github

**Performance Optimization:** Improving load speed, caching, and client side data handling

**Mentorship & Documentation:** Guiding interns, reviewing code, and maintaining in-app documentation

## TECH STACK

**Frontend:** React, Next.js, TypeScript, Redux Toolkit, Tailwind CSS, MUI, Ant Design, Framer Motion

**Backend:** Node.js, Express.js, Next.js API Routes, JWT, Redis, Passport.js

**Database:** MongoDB, MySQL, PostgreSQL (familiar), Mongoose, Prisma

**Testing & Tools:** Jest, React Testing Library, Postman, Swagger, Git, VSCode

**Concepts:** WebSockets, Caching, IndexedDB, Performance Optimization, Service Workers

## PROJECTS

**Genshin Serenitea Pot Tracker** 10/2025 – Present

Developed a web app to track furnishing progress and character sets in Genshin Impact's Serenitea Pot system.

- Built with Next.js and OCR-based data import for automated tracking.
- Designed an intuitive dashboard with dark mode, filtering, and regional categorization.
- Implemented data validation, versioned releases, and changelog tracking.

**next-nfetch** 11/2023 – Present

Created a flexible HTTP client for Node.js and browser environments.

- Added request interceptors for custom response handling and error control.
- Integrated Next.js caching for smarter revalidation and faster queries.
- Published as npm package

**ClassSense** 10/2023 – Present

- Developed an IntelliSense extension to enhance productivity in HTML-based workflows within VS Code.

**Nepali Music Streaming Web App** 07/2022 – 05/2023

- Built a multilingual music platform using React, Node.js, and MongoDB.
- Implemented chunk-based streaming and ML-based genre recommendations.
- Added multilingual support (English/Nepali) with personalized user features.

## **Class Management System**

12/2021 – 05/2022

- Created a complete academic management tool using React and Django.
- Developed role-based modules for admins, teachers, and students with attendance, assignments, and scheduling.

## **INTERESTS**

**Video Games:** Building and experimenting with interactive mechanics.

**User Experience (UX) Design:** Exploring usability and accessibility to create intuitive interfaces.

**Web Technologies:** Keeping up with new frontend and backend innovations.