Raman Baral

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SUMMARY

Full-Stack Software Engineer with hands-on experience building production-ready web applications using **Next.js, Node.js, TypeScript, PostgreSQL, Docker and AWS**. Passionate about building scalable systems, writing clean code, and continuously learning modern web technologies. Proven ability to design, implement, and deploy full-stack applications from scratch using industry best practices.

TECHNICAL SKILLS

Languages: Javascript, Typescript, C/C++, GO, PHP, JAVA
Databases: Mysql, Postgresql, Mongodb, Redis
Framework/Cloud/Technologies: Reactjs, Nextjs, Nodejs, TailwindCSS, AWS, Docker, Git, REST api, OOPs, DSA, linux

EDUCATION

Tribhuvan University, Amrit Science Campus (**ASCOL**)   Nov 2022 – Oct 2026
Bachelor of Information Technology (BIT)
Relevant Coursework: C/C++, OOPs, OS, DBMS, Networking, AI, Security, Web Technology, PHP, JAVA, .NET

PROJECTS

SkyNest   [Github](#) | [Live Demo](#)
Tech Stack: Nextjs, Typescript, Postgresql, Drizzle, zod, zustand, react-hook-form, Docker, AWS
- Developed **Skynest**, a cloud storage platform allowing users to upload, manage, and organize **images and PDFs**.
- Implemented **file system features** including favorite tagging, renaming, deleting, downloading, and nested folder creation with intuitive UI/UX.
- Engineered **storage tracking logic** to monitor storage usage per user, and management of allocated space.
- Built **dynamic file traversal system**, enabling seamless navigation through user directories and nested folders.
- Dockerized the application and managed **cloud deployment on AWS EC2**, ensuring scalability, maintainability, and production-readiness.

TrueFeedback   [Github](#) | [Live Demo](#)
Tech Stack: Nextjs, React, Typescript, Tailwindcss, Authjs, postgresql, Docker, AWS
- Designed and built **TrueFeedback**, an anonymous feedback platform enabling users to share and receive feedback without identity disclosure.
- Developed secure RESTful APIs and authentication flows using **Next.js, TypeScript, Auth.js**, and **Postgres**, ensuring data integrity and privacy.
- Created a responsive and accessible UI with **Next.js** and **Tailwind CSS**, optimizing UX across all devices.
- Dockerized the application and managed **deployment on AWS**, ensuring scalability and production-readiness.

FinTrack   [Github](#)
Tech Stack: Nextjs, Typescript, Recharts, zustand, Tailwindcss, postgresql, prisma
- Designed and developed **FinTrack**, an expense tracking platform with real-time budget monitoring, category-based budgeting, and interactive financial charts.
- Implemented dynamic budget creation, editing, and deletion with persistent state management using **Next.js**, **TypeScript**, and **Postgres**.
- Built responsive, component-driven UI with **Tailwind CSS**, integrating paginated expense views and data visualizations via **Recharts** for clear financial insights.
- Engineered backend APIs and integrated full CRUD operations, ensuring secure, scalable, and efficient data handling across the application.