

SAMIR KHANAL

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WORK EXPERIENCE

SyncGTM, Junior Software Engineer

June 2025 – February 2026 | Remote

- Worked on frontend row virtualization and pagination to handle large number of rows smoothly, enabling efficient rendering and interaction with thousands of CRM entries, project records, and client data
- Optimized cell-level operations and data updates using batch processing to minimize transaction overhead and improve platform responsiveness
- Integrated multiple business platforms (CRMs like Attio, Close, Pipedrive, lead-gen tools like Apollo, RocketReach) via REST APIs and webhooks
- Built agentic workflows using multiple AI providers to automate business processes, enrich client data, and suggest next actions within platform workflows
- Worked collaboratively through daily standups and sprint planning, pair programming on complex platform integrations and data optimization features

The Occupi, Frontend Intern

April 2025 – March 2025 | Remote

- Designed and implemented interactive dashboard components and modal popups for advertisements, quizzes and rewards.

SKILLS

JavaScript, TypeScript, Tailwind, NextJs, ReactJs, Docker, NestJs, Redis, Git, Sockets, PostgreSQL, Github Actions

PROJECTS

SMS, (In Progress)

Event-driven school management platform handling student enrollment, batch and semester management, subject assignments, and multi-role authentication (Admin, Teacher, Student). Implements secure JWT access/refresh token cycling with email OTP verification and password reset. Features batch-based student organization, semester tracking, and subject-teacher assignment workflows with teacher approval system. Dockerized architecture with Prisma ORM for type-safe database operations. Upcoming features include resource sharing, assignments, announcements, real-time chat, SSE for live notifications, cron-based automation, and BullMQ with Redis for background job processing.
Technology used: TypeScript, Next.js, NestJS, Zustand, Tanstack Query, Prisma, PostgreSQL, Docker, JWT, RBAC, email OTP, (upcoming: SSE, BullMQ, Redis, Cron)

Snip Snap

Collaborative code snippet sharing platform where users can share their knowledge and gain insights on various topics. It provides secure authentication through server actions along with email OTP verification and change your password feature. The UI is fully mobile responsive for easy access with infinite scrolling and pagination for efficient API calls and snippet management. It is also integrated with Gemini AI api for code explanation and suggestion. Technology used: Typescript, NextJs, Tailwind, Nodemailer, Prisma, Tanstack Query, Gemini AI

Social Media Application

Twitter (X) like UI with custom UI feature like Image showcase on the sidebar and mobile responsive UI. Proper authentication and efficient query procedure using mongoose aggregation pipelines for tweets and user information. Efficient Image upload feature with like and comment functionality. Technology used: JavaScript, ReactJs, ExpressJs, Mongoose, Cloudinary, Redux Toolkit

EDUCATION

Tribhuvan University, Bachelors in Computer Science and Information Technology (Running)

ADDITIONAL INFORMATION

- AI Development: Proficient with AI tools (**Cursor, Opencode, Agent skills, MCP**) for context engineering and accelerated development cycles
- Technical Skills: Strong communication and management skills, hardworking, and eager to learn new technologies.
- Location: **Pokhara, Nepal**
- Availability: Available **9AM – 6 PM NPT**