

Anurag Dhamala

Software Engineer

CONTACT

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SKILLS

- JavaScript(Node.js React.js Next.JS) - Expert
- MongoDB(Mongoose) / Node JS (Express Js) - Skillful
- TypeScript - Experienced
- Linux / Git / Docker - Experienced
- Redis - Experienced
- Software Design and Architecture - Experienced
- Svelte.Js - Experienced
- Tailwind CSS, Material UI, AntD - Expert
- REST, GRPC, GraphQL - Experienced

LANGUAGE

Nepali - Expert
English - Experienced

SUMMARY

A software engineer with 3 years of experience in the IT industry. With an experience of building products from scratch to finish in my day-to-day job, I also love to work on my side projects during my off-time. I love to communicate with other people from the same field and share my knowledge.

EDUCATION

Bachelors in Information Technology

Texas College of Management and IT / Kathmandu / August, 2018 - January, 2023

WORK EXPERIENCE

Team Lead

Hamro Patro Inc / Kathmandu / July, 2023 - Present

Software Engineer

Hamro Patro Inc. / Kathmandu / July, 2022 - Present

MERN Stack Trainer

Deerwalk Training Center / Kathmandu / August, 2023 - Present

Associate Software Engineer

Hamro Patro Inc / Kathmandu / March, 2021 - July, 2022

IT Intern

Texas Imaginology / Kathmandu / October, 2019 - June, 2020

PROJECTS INVOLVED

Let's Read Asia

- Built the front-end side of this project using **NextJS**.
- Designed the UI portion provided in **Figma** by client.
- REST API integration.
- Implemented **redux toolkit**, react context and other useful react concepts for the first time in this project.
- Used GCP and **app engine** to deploy the projects
- Collaborated with designers across foreign countries and with clients from Asia Foundation to successfully fulfill the requirements.

<https://letsreadasia.org>

Hamro TeleHealth

- Built the **WebRTC client** in **TypeScript** for **ReactJS** project and later on migrated it to LiveKit.
- Designed the UI by cooperating with other front-end team members.
- Created some REST APIs in **Spring Boot, Java**.
- Mentored new coming members on how the **web-rtc flow** works.

<https://health.hamropatro.com>

Hamro Gifts

- Worked on the admin side of this project.
- Integrated **GraphQL** on the client side and **Leaflet.js**
- Led the team later on for a while to revamp the project.
- Worked on the reaction-commerce (now mailchimp) and implemented new **GraphQL schemas and MongoDB schemas** in the backend.
- Integrated Stripe 3DS on both client and server side (**NodeJS**).

<https://gifts.hamropatro.com>

Hamro Chat

- Designed the chat system architecture.
- Designed **GRPC protos** and integrated the **GRPC in SDK**.
- Introduced **Unary GRPC interceptor** on the client side to the fellow engineers.
- Designed and created the **SSE server** using **Redis Pub/Sub** model for real time message flow in Node.Js from scratch.
- Built the **SDK** for the client side so that any system would be able to call the chat system APIs if necessary by installing the sdk in their projects.
- Create the chat front-end from scratch in **SvelteJs** and integrated my own SDK.
- Built the **React SDK as a npm package** so that any react project would be able to integrate chat.
- Created its desktop application using **Tauri and Rust** and data communication between Rust and Javascript.

(Project is not publicly announced yet)

Hamro Chautari

- Chautari is a video call platform like Google Meet.
- Worked mostly on creating the video calling platform in ReactJs using **Livekit sdk**.
- Customized the livekit sdk to my own and re-created the whole livekit UI.
- Guided on **livekit server sdk** to team members.

<https://chautari.hamropatro.com>

Other Involvements as a software engineer

- Created in-house **npm packages** for the company and fellow engineers.
- Built headless CMS with **Strapi** and **Postgres** for the overall Hamro Patro content management.
- **Dockerizing** projects.
- Built SDKs in Svelte for the company.
- Taking care of **web view sdk** within the Hamro Patro app.
- Containerizing both front and back end projects for deployment in **Kubernetes**.
- **Mentoring** the incoming intern batches.
- Open source contribution
- Writing articles on HashNode. You can find me on: <https://anurag-dhamala.hashnode.dev/>