Adarsha Acharya

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adarsha.dev

Full-stack developer with expertise in building web applications with rich user interfaces and robust backend services using Typescript-based technologies. An avid blogger, I share insights on modern frameworks, architecture, and best practices. Passionate about browsers, frontend tooling, backend services, and open-source contributions.

EXPERIENCE

Mindworks Interactive Pvt. Ltd – Software Engineer L2 June 2023 - Feb 2025

Technologies: Next.js, Nest.js, tRPC, Typescript, Prisma, Apollo GraphQL, Tailwind CSS, Turborepo, Ant Design, Airtable, Redis, Docker, North Flank, Drizzle

- Setup monorepo having the repos for admin, player frontend and backend codebase which powers one of the best multi-tenant gaming engine in Asia

- Created the admin panel which can configure everything from site theme, seo management, games management, promotions, affiliate, CMS, players management for the player frontend

- Created the player frontend based on the dynamic configuration from the admin panel which includes 5+ uniquely looking iGaming web applications

- Created backend services using repository architecture that can handle the commission, rates and other relations between parent and child organizations

- Migrated backend from Apollo GraphQL in Nest.js to trPC

- Setup CI/CD pipelines for multitenant apps, containerized Next.js apps

- Wrote automation scripts to sync 6k + games from multiple publishers sources to airtable to provide uniform database for product and tech team for games metadata management

Renegade Insurance – SDE- I Nov 2021 - June 2023

Technologies: Next.js, Typescript, React.js, Tanstack libraries, React hook form, Turborepo, Redux toolkit, Zustand, Docker, Java Spring Boot

- Migrated static form to dynamic form builder

- Created marketplace for agents and carriers with monorepo architecture using Turborepo containing two apps, ui system and form based packages

- Migrated CRM code-base from legacy Redux to RTK Query

- Containerized all frontend apps in pod using Docker, maintained Azure CI/CD pipelines and deployment to K8S

- Build and actively maintained internal component library for pod

- Improved SEO for public profile of agents in collaboration with marketing team, about 1K+ profile got indexed on Google on the first week of release

- Involved in architectural decisions of frontend regarding bundle size, SSR

- Worked on bug fixes for backend project based on Java Spring Boot

- Mentored intern, fostered open source culture in the team

EDUCATION

Asian College of Higher Studies, Kathmandu , Nepal — Bachelor in Computer Science and Information Technology (October 2017 - May 2022)

PERSONAL PROJECTS

Form Axis
- AI powered form builder with conversational interface
- Tech Stack: Nest.js, Clerk, Convex, Vercel, AI SDK, Gemini
- Demo: https://formaxis.vercel.app
- GitHub : https://github.com/adarshaacharya/form-axis

Bricks
- API service for real estate management, enabling agents to sign up and list properties, while providing clients with the capability to view, schedule property visits, and make purchases.
- Tech Stack: Nest.js, PostgresQL, Prisma, Redis, AWS S3, Sendgrid, MJML, Google Oauth, Github Oauth, Typescript
- GitHub : https://github.com/adarshaacharya/bricks

Mentor Labs
- Platform to apply for mentorship to the top mentors recommended by our powerful algorithm based on your profile. Enjoy one-to-one live mentorship in our interactive video streaming labs for free.
- Tech Stack : Typescript, React, Redux Toolkit, Ant Design, Socket.IO, WebRTC, Node.js, Express, PostgreSQL
- GitHub : https://github.com/adarshaacharya/MentorLabs

Code Treats
- In-browser IDE based on VSCode like text editor with 15+ themes and 10+ languages compilation support. Users can create the room and do real-time collaborative coding with each other.

- Tech Stack : Typescript, React, Socket.IO, Node.js, Express, MongoDB
- GitHub : https://github.com/adarshaacharya/CodeTreats

PassMan

- Cloud based password manager where users can login using your auth provider, create a vault for personal and business purposes.
- Tech Stack : Nextjs, Typescript, Prisma, Chakra UI
- Demo : https://passmanager.vercel.app/
- GitHub : https://github.com/adarshaacharya/PassMan

CS Overflow

- Q/A forum for Computer Science and Engineering students where the students can ask the queries on computer science and programming topics, upvote the questions and answer them.
- Tech Stack : Typescript, React, Redux, Node.js, Express, PostgresQL
- GitHub : https://github.com/adarshaacharya/CsOverflow

E-Complaints

- A public complaint management app built on the theme of Digital Nepal. Public can file the complaints to different governmental departments, filtered by admin and officers can reply to that complaint.
- Tech Stack : Node.js, Express, EJS, MongoDB, Bootstrap
- GitHub : https://github.com/adarshaacharya/E-Complaints

Personal Website and Blog

- Personal website integrated with a markdown powered technical blog and integrated AI powered chat bot
- Tech Stack :Next.js, Tailwind CSS, Langchain, Qdrant DB
- Demo : https://adarsha.dev/
- GitHub : https://github.com/adarshaacharya/adarsha.dev

OPEN SOURCE TOOLS

states-nepal

- npm package to get dataset about administrative divisions in Nepal.
- Link : https://www.npmjs.com/package/states-nepal

aaja (आज)

- Cli tool to get today's nepali date, tithi, public events and current time.
- Link : https://www.npmjs.com/package/aaja

ApiHub

- VSCode extension to get third party api urls on different categories.
- Link : https://github.com/adarshaacharya/ApiHub

OPEN SOURCE CONTRIBUTIONS

- Fixed bugs on Mantine v5 , [PR's link](#)
- Migrated Vercel's Satori playground from Javascript to Typescript , [PR Link](#)
- Updated Turborepo docs for docker setup, [PR link](#)

SKILLS

Frontend : React.js, Typescript, Next.js, Javascript, Tanstack query and other Tanstack libraries, HTML, CSS, Gatsby, Redux (Toolkit), Apollo GraphQL, Tailwind Css, Mantine UI, Chakra UI, Ant Design

Backend : Node.js, Express.js, Nest.js, Redis, TRPC

Database : PostgresQL, MYSQL, MongoDB

Tools : Docker, Jira, GraphQL, Git, GitHub, Socket, WebRTC, Linux, Bash, Heroku, CI/CD, North Flank

AWS Services : S3, EC2

ACHIEVEMENTS

- Second runner up at **TechTrix Hackathon - 2019**
- Second runner-up at **Code for Change - Frontend Hackathon**

LINKS

- GitHub : https://github.com/adarshaacharya
- Portfolio : https://adarsha.dev/
- Youtube: https://www.youtube.com/@ad4rsha

REFERENCES

- [Sabu Shakya](#) - SDE III (Renegade Insurance Pvt. Ltd)

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