

Pratik Thapa

Full-Stack AI Product Engineer

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Pokhara, Nepal

SUMMARY

Full-stack engineer building **TypeScript web products and AI applications**. Delivered personalized story generation, restaurant dashboards, and an AI document workspace using **React, Next.js, Node.js, and PostgreSQL**. Experience spans **LLM workflows, RAG, OCR, and streamed document chat**, with ownership from architecture through deployment.

PROFESSIONAL EXPERIENCE

Builders Academy | *Full Stack AI Engineer*

Aug 2025 - Present

- Built StoryWonderBook's LLM generation workflow, turning family inputs into **300+ personalized stories** with Next.js, NestJS, and Vercel AI SDK.
- Implemented PropertyX's asset ownership, verification, and automated yield-distribution flows using Next.js, TypeScript, and PostgreSQL.
- Shipped content, learning-management, and admin modules across multiple subdomains, owning features from architecture through deployment in a TypeScript monorepo.

Black Tech | *Frontend Developer*

Dec 2023 - Oct 2024

- Built Next.js dashboards for Restrox, a multi-tenant platform serving **500+ restaurants**, covering sales, inventory, billing, and menu administration.
- Automated daybook and bulk menu-upload workflows; built real-time reporting and reusable React components for restaurant operations.

Builders Academy; Contract | *Full Stack Developer*

Jul 2023 - Dec 2023

- Built profit-and-loss analytics and transaction-signing integrations for fintech products with TypeScript, React, and Node.js.

Dcube Accounting System; Contract | *React Developer*

Feb 2023 - Jun 2023

- Built retail accounting and inventory workflows in React, including barcode/QR processing, receipts, and stock management.

Freelance; past engagements | *Full Stack Developer*

Started 2022

- Delivered **10+ client applications** from requirements through release, including SaaS products, WebRTC video/audio, and production websites.

PROJECTS

FynePDF | *AI document workspace; started 2024*

fynepdf.com

- Built **40+ PDF tools** and **15+ specialized document agents**, covering editing, conversion, OCR, summarization, and document comparison.
- Built **RAG document chat** with streamed answers, page citations, and saved conversation history using Next.js, Hono, and PostgreSQL.

TECHNICAL SKILLS

TypeScript, JavaScript, React, Next.js, Node.js, NestJS, Hono, PostgreSQL, LLM applications, RAG, embeddings, OCR, Vercel AI SDK, LangChain, Mastra, Flue, Docker, Cloudflare, AWS, Git, Vitest, Playwright

EDUCATION

Prithvi Narayan Campus

Bachelor of Computer Applications

Nov 2023 - In progress

Pokhara, Nepal