

Aakash Acharya

Web/Mobile Full-Stack Developer

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Profiles

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Summary

Passionate and results-driven Front-End Developer with 3+ years of hands-on experience architecting, building and optimizing responsive web applications using React.js, Next.js, TypeScript and modern CSS frameworks. Proven track record of leading small teams (3–4 developers) through the full development lifecycle—from requirements gathering and UI/UX design through API integration, performance tuning, and deployment. Skilled in state-of-the-art front-end patterns (Redux, Context API), server-side rendering, static-site generation, and real-time features with WebSocket. Strong collaborator with back-end teams on RESTful APIs, and a dedicated mentor driving code quality through rigorous reviews and best practices. Committed to delivering accessible, high-performance user experiences and continuously exploring emerging tools to elevate development workflows.

Experience

February 1, 2023 – May 30, 2023

ClinchTech
ReactJS / NextJS Intern
Parsyang

- **Enhanced UI/UX** by collaborating with designers and product owners to translate wireframes into intuitive, accessible React/Next.js interfaces
- **Accelerated data delivery** by integrating RESTful APIs into reusable frontend components and optimizing asynchronous data fetching with React Query patterns
- **Built fully responsive layouts** with Tailwind CSS and CSS-in-JS techniques, ensuring pixel-perfect rendering across mobile, tablet, and desktop viewports
- **Strengthened code quality** through regular pair-programming sessions and rigorous code reviews, introducing linting and unit-testing practices (Jest, React Testing Library) to improve maintainability
- **Collaborated in Agile sprints**, refining user stories, estimating tasks, and delivering major feature releases on schedule while maintaining zero critical production bugs

Technologies: React.js, Next.js, Tailwind CSS, React Query, REST APIs, Jest, React Testing Library, Git.

June 1, 2023 – August 1, 2023

Aarambha IT Research Center
MERN Stack Developer Intern
Gairapatan, Pokhara

- <https://aarambhait.com/>
- **Engineered scalable backend services** with Express.js, crafting RESTful APIs and optimizing MongoDB schemas and queries for high-performance data operations.
- **Designed dynamic, responsive front-end interfaces** in React, seamlessly consuming backend endpoints and ensuring a cohesive user experience across devices.
- **Built and optimized server-side applications** in Node.js, leveraging asynchronous patterns and clustering techniques to reduce latency and boost throughput.
- **Secured applications end-to-end** by implementing JWT-based authentication, role-based authorization, and encrypted data storage to safeguard user information.

Technologies: MongoDB, Express.js, React, Node.js (MERN Stack), JWT, RESTful APIs.

August 1, 2023 – April 30, 2024

Aarambha IT Research Center
ReactJS / NextJS Developer
Gairapatan, Pokhara

- <https://aarambhait.com/>
- **Spearheaded a high-impact development team** of three engineers to conceptualize, build, and launch sophisticated web applications with React.js and Next.js, consistently exceeding client expectations.
- **Engineered scalable, modular front-end architectures**, championing reusable component libraries and performance-first patterns that accelerated development velocity.
- **Cultivated a learning-driven environment** through structured code reviews, pair-programming workshops, and mentorship sessions—empowering junior developers to master Redux, Context API, and modern React paradigms.
- **Mastered advanced state management** by implementing Redux middleware and Context API strategies, ensuring predictable data flows and robust application stability under heavy load.
- **Pioneered server-side rendering and static-site generation** in Next.js, driving substantial gains in SEO rankings, time-to-first-byte, and Core Web Vitals metrics.
- **Orchestrated seamless API collaborations** with backend teams to define, document, and integrate RESTful endpoints, enabling real-time data synchronization and end-to-end feature delivery.
- **Directed project roadmaps and stakeholder communications**, delivering transparent status updates, risk assessments, and timeline adjustments that ensured on-time, on-budget releases.
- **Optimized front-end performance pipelines** by employing code-splitting, dynamic imports, and bundle analysis—achieving leaner builds, faster load times, and a superior user experience.

Technologies & Skills Learned: React.js, Next.js, Redux, Context API, Server-Side Rendering (SSR), Static-Site Generation (SSG), RESTful API integration, Component-Driven Development, Performance Tuning, Agile Methodologies, Mentorship & Leadership.

May 1, 2024 – Current

BlackTech Pvt. Ltd.
ReactJS / NextJS Developer
Zero Km, Pokhara

- <https://www.blacktech.com.np/>
- **Directed a frontend team of four**, delivering highly scalable, responsive web applications for international clients with React.js, Next.js, WebSockets, and TypeScript.
- **Designed modular, reusable component libraries**, enforcing best practices in architecture, state management (Redux/Context API), and performance optimization.
- **Engineered real-time features** using WebSockets and optimized data-fetching layers, while implementing code-splitting and lazy loading to minimize bundle sizes and maximize speed.
- **Championed code quality** through rigorous reviews, pair-programming, and automated testing (Jest, React Testing Library), ensuring maintainable, bug-resistant code.
- **Solved complex UI/UX challenges** by translating wireframes into pixel-perfect, accessible interfaces that comply with WCAG standards.
- **Mentored and upskilled team members** in advanced React patterns, Next.js SSR/SSG, modern CSS techniques, and TypeScript, fostering a culture of continuous learning.
- **Collaborated cross-functionally** with designers and backend engineers to define API contracts, integrate RESTful endpoints, and deliver seamless end-to-end solutions.
- **Institutionalized frontend best practices**, from architecture and testing to performance monitoring, driving efficiency and consistency across projects.
- **Evaluated and adopted emerging technologies**, continually refining the tech stack to enhance developer productivity and application robustness.

Technologies: React.js, Next.js (SSR/SSG), Redux, Context API, TypeScript, WebSockets, Tailwind CSS, CSS-in-JS, Jest, React Testing Library, RESTful APIs, Code-Splitting, Lazy Loading, Git.

Education

2019–2021

Motherland Secondary School
Science
+2
<https://motherland.edu.np/>

2022 – 2025

Informatics College Pokhara
BSc. IT
Bachelors Degree
<https://icp.edu.np/>

Projects

RestroX
Restaurant Management System
<https://restrox.com>
Led the front-end development of a multi-tenant web platform comprising four key modules:

- **Product Owner Admin Panel**
- **Client Admin Panel**
- **Customer-Facing Web Application**
- **Shared Design System**

Key Responsibilities & Achievements:

- Spearheaded the development life-cycle from **requirement gathering** through to **production deployment**, ensuring timely delivery and stakeholder satisfaction.
- **Led and mentored a team of 3 front-end developers**, overseeing task planning, sprint cycles, code quality, and best practices via regular code reviews.
- Developed responsive and scalable UIs using **ReactJS**, **Next.js**, **TailwindCSS**, and **TypeScript** within a **monorepo architecture (Turborepo)**.
- Implemented efficient state management strategies using **Zustand** and **React Context API**.
- Leveraged **React Query** for optimized data fetching and caching across the application.
- Integrated **real-time WebSocket communication** for dynamic updates and notifications.
- Worked on **payment gateway integration**, enhancing transactional capabilities for end users.
- Focused on **performance optimization**, **accessibility**, and **cross-browser compatibility** to ensure a seamless user experience.
- Collaborated closely with backend engineers, designers, and QA to align on API contracts, component architecture, and user flows.

Technologies Used: ReactJS, Next.js, TypeScript, TailwindCSS, Turborepo, React Query, Zustand, WebSockets, Context API, REST APIs, Paddle, NepalPay, Git, Vercel, Docker.

Elevate Ed
MOOC System | LMS
[SRS Documentation](#)
Designed and developed a full-fledged e-learning and certification platform as a solo developer, handling both frontend and backend architecture. The system allowed course delivery, media streaming, real-time communication, secure certification, and online payments.

Key Responsibilities & Features:

- **End-to-End System Design & Development:** Built the entire platform architecture from scratch, integrating secure, scalable, and modular systems across both client and server.
- **Backend Highlights (Node.js + Express.js Ecosystem):**
 - Developed RESTful APIs with **Express.js**, **Prisma**, and **PostgreSQL**, containerized via **Docker** for local and production environments.
 - Implemented **JWT-based authentication**, **RBAC (Role-Based Access Control)**, and **session management**.
 - Integrated **Socket.io (server)** for real-time features such as messaging and live status tracking.
 - Added backend **media processing with FFmpeg**, supporting encrypted video uploads and HLS streaming.
 - Automated **PDF certificate generation** with **Handlebars.js** and **Puppeteer**, along with validation endpoints.
 - Used **cron jobs** for routine background tasks (e.g., token cleanups, user progress reminders).
 - Implemented **local payment gateway (Khalti)** and support for **coupon-based discounts**.
- **Frontend Highlights (React + Next.js Ecosystem):**
 - Built dynamic and responsive UIs using **Next.js**, **TailwindCSS**, **shadcn/ui**, and **TypeScript**.
 - Integrated **NextAuth** for secure, OAuth-ready authentication.
 - Used **SWR** for efficient data fetching and caching.
 - Managed application state with **Redux Toolkit**, supporting persistent session and global user state.
 - Integrated **Socket.io (client)** for real-time chat and notification features.
 - Embedded **HLS.js** for adaptive video playback with progress tracking features.
 - Developed **Rich Text Editor** components for course content and messaging.
 - Created user dashboards with **course progress**, **payment history**, **certificates**, and **chat support**.

Technologies Used:
Frontend: Next.js, React, TypeScript, TailwindCSS, shadcn/ui, Redux Toolkit, SWR, Socket.io Client, NextAuth, React Hook Form, Zod, HLS.js

Backend: Node.js, Express.js, Prisma, PostgreSQL, Docker, Socket.io Server, Puppeteer, Handlebars, Cron, TypeDI, JWT, FFmpeg
Tools & Integrations: Khalti (payment gateway), REST APIs, Git, Docker Compose

BlackTech Landing Page
Landing Page
<https://www.blacktech.com.np/>
As a Frontend Developer, I was solely responsible for designing and developing a high-performance, fully responsive landing page for the company's web presence. The goal was to create a visually engaging and conversion-oriented interface aligned with the brand identity.

- Developed the entire landing page using **Next.js** for server-side rendering and optimal performance.
- Utilized **TailwindCSS** for rapid UI development, ensuring consistency and responsiveness across all screen sizes.
- Integrated **Framer Motion** to add smooth and dynamic animations that enhanced user engagement and interactivity.
- Focused on pixel-perfect design implementation, semantic HTML, and accessibility best practices.
- Optimized the page for performance and SEO, resulting in improved load times and search engine visibility.
- Ensured cross-browser compatibility and mobile-first design to offer a seamless user experience on all devices.

This project demonstrates my ability to independently take a design concept from idea to implementation, with a focus on frontend performance, visual detail, and user experience.

ShareMyMenu
<https://www.sharemymenu.com/>
and many more....

Skills

ReactJS	NextJS	React Native	TypeScript	Java
ExpressJS	Springboot	NestJS	PostgreSQL	MongoDB
Redis	Git	TailwindCSS	WebSockets	C#
ASP .Net	Linux			

Languages

Nepali	English	Hindi
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