


Nikhil Thapa

Software Engineer

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Profiles

 [GitHub](#)

 [LinkedIn](#)

Summary

Experienced software engineer with 3+ years of professional expertise in **JavaScript (NextJS, NodeJS, ExpressJS)**. Specialized in building scalable applications and optimizing performance. Proven experience in **leading development projects and delivering high-quality solutions**.

Experience

WPA	Dec 2022 - May 2024
Software Enginner	Dubai, UAE
<ul style="list-style-type: none">Built and enhanced user interfaces using Next.js and TypeScript, ensuring responsive and dynamic user experiences.Implemented real-time features using SocketIO, managing live updates for players on match schedules, booking statuses, and live events, providing transactional integrity and session management with PostgreSQL and Redis.Designed and deployed a custom CMS for WPA’s events and news page, streamlining content updates and management workflows.Improved code quality with 95% code coverage through comprehensive unit testing and integration tests for critical use cases.Collaborated with cross-functional teams (product, design, and management) in an Agile environment to ensure alignment with business goals.Debugged and optimized key performance bottlenecks in high-traffic areas of the application using profiling tools, improving load times and overall system responsiveness.Enhanced the booking system by ensuring data consistency, facilitating reliable booking confirmations, and reducing failed transactions by 20%.Mentored junior developers and participated in code reviews to improve code quality and shared best practices across teams. <p>Tech Stack: NextJS, TypeScript, MongoDB, Express, Vitest, PostgreSQL, Redis, AWS, Prisma, BullMQ</p>	

Batas Organization	Jan 2020 - Nov 2022
Assistant IT Software Development Executive	Pokhara, Nepal
<ul style="list-style-type: none">Assisted in developing internal systems for managing inventory, sales, and customer relationships in a financially-driven industry, providing a scalable solution that improved operational efficiency.Designed data models and streamlined processes to ensure data accuracy and enhanced system reliability.Led integration efforts between different departments in Agile sprints, ensuring smooth communication and delivery of system updates.Developed automated scripts to reduce manual errors, improving data entry efficiency by 30%.Produced technical documentation including data dictionaries, user manuals, and system manuals, ensuring clear communication and easy maintenance of the system. <p><i>Tech Stack: NextJS, TypeScript, PostgreSQL, MongoDB, Redis, OAuth, Express</i></p>	

Projects

TwitMedia
💻 https://twitmedia.vercel.app/
<ul style="list-style-type: none">Developed full-stack social platform where users can manage tweets, profiles, play game, and chat in real-time.Implemented robust authentication and real-time communication, ensuring secure and scalable back-end systems that handle high volumes of user traffic.Improved backend reliability with best production practices and efficient logging and rate limiting.Tech Stack: NextJS, NodeJS, ExpressJS, TypeScript, SocketIO, MongoDB, React Query, Shadcn, Cloudinary, Zustand

Ecommerce
💻 https://ecommerce-indol-kappa.vercel.app/
<ul style="list-style-type: none">Optimized application speed and user interactions through effective caching with React Query and state management with Zustand.Ensured high data accuracy and security with Zod for data validation and secure authentication mechanisms using access and refresh tokens.Implemented Stripe-based payment management for a fully functional and scalable online store.Leveraged Winston for comprehensive logging, improving error tracking and system reliability. TypeScript across both frontend and backend to ensure type safety and maintainability.Tech Stack: NextJS, ExpressJS, TypeScript, Zod, MongoDB, React Query, Shadcn, Cloudinary

Property Reservation Platform
💻 https://reservation-system-seven.vercel.app/
<ul style="list-style-type: none">Achieved lightning-fast load times and seamless navigation using Next.js 13 and server components.Implemented both credential and OAuth authentication for a smooth and secure login process.Developed advanced search algorithms and pricing calculations, allowing users to filter properties by various criteria.Designed a sleek and responsive interface with Tailwind CSS, enhancing user experience across devices.Tech Stack: NextJS, TypeScript, Next-Auth, Prisma, MongoDB, Zustand, SWR, Cloudinary

SAAS AI Platform
💻 https://saas-ai-seven-phi.vercel.app/
<ul style="list-style-type: none">Enabled diverse AI functionalities including conversation, image, video, music, and code generation, enhancing the platform's versatility.Integrated Stripe for efficient and secure payment management, ensuring smooth user transactions.Leveraged cutting-edge technologies like Next.js 13, Tailwind, and Shadcn to build a robust and maintainable codebase, ensuring future scalability and ease of development.Tech Stack: NextJS, TypeScript, Clerk, Prisma, MySQL, OpenAI, Stripe, Zustand

Technical Skills

Languages: JavaScript, TypeScript, Java

Frameworks & Libraries: NextJS, NodeJS, ExpressJS, ReactJS, NestJS

APIs & Databases: RESTful APIs, MongoDB, PostgreSQL, Redis, MySQL

DevOps: CI/CD pipelines, Docker, AWS, GitHub Actions

Testing: Unit Testing (Vitest, Jest), Integration Testing

Methodologies: Agile, Scrum

Documentation: Data dictionaries, User manuals, System manuals

Education	
London Metropolitan University	Aug 2019 – Nov 2022
BSc. Computing (Hons)	London, United Kingdom