

Nischal Puri

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Professional Summary

Full-Stack Developer with proven experience delivering **high-impact enterprise solutions** using modern JavaScript stacks (**Next.js, React, TypeScript, Node.js**) and headless architectures. **Led cross-functional teams** on **US-client projects**, including **AI-powered appointment systems** with **LangChain, OpenAI/Anthropic, vector databases**, real-time automation, and robust CI/CD pipelines. Passionate about combining clean, performant user interfaces with scalable backend logic and intelligent workflows. **Actively upskilling** in **NestJS, Docker, Kubernetes, AWS, Redis, Kafka, and Linux** to build production-grade cloud-native infrastructure. *Eager to bring strong full-stack delivery, technical leadership, and rapid learning to an innovative engineering team.*

EXPERIENCE

Frontend Developer (Remote | Project Based) Oct 2025 – Dec 2025
Supreme IT Solutions, Kathmandu, Nepal

- NetoGroup AI (Unified Service Platform):** Spearheaded the end-to-end development of a visionary platform unifying **Educational Consultancy, Test Preparation, and Travel & Tours**. [<https://netogroup.ai/>]
- Complex Dashboard Architecture:** Engineered a content-heavy Admin Dashboard using **TanStack Table**, enabling advanced filtering, sorting, and management of high-volume data across three business verticals.
- Next.js & SEO Optimization:** Implemented **Next.js** with a focus on **Server-Side Rendering (SSR)** and technical SEO, ensuring maximum search engine visibility for a multi-service business ecosystem.
- Advanced State Management:** Utilized **React Query (TanStack Query)** for efficient server-state management, reducing API overhead and ensuring a seamless, real-time user experience.
- API Orchestration:** Architected complex integrations to synchronize diverse data streams into a single, high-performance interface.
- BT Planet (Headless Commerce):** Engineered a high-performance e-commerce storefront for a major electronics retailer using Medusa CMS. Architected a decoupled frontend that prioritizes **Core Web Vitals** through optimized asset delivery and efficient component rendering. [<https://www.btplanet.com.np/>]

Full Stack Developer and Team Lead (Remote) 2024 – 2025
Neutroline, Nepal Pvt. Ltd

- Rapid Career Progression:** Promoted from **Intern to Technical Lead within 3 months**, assuming full ownership of project architecture, team management, and technical decision-making for a US-based enterprise startup.
- Enterprise AI Architecture:** Directed the end-to-end development of an AI-powered appointment management system for US clients, selecting **Next.js** as the core framework to ensure superior **SEO optimisation** and performance.
- Workflow Automation with Inngest:** Integrated **Inngest** for complex background job processing and durable scheduling, alongside **OpenAI, Anthropic and LangChain** for automated client interactions and scheduling logic.
- System Design & Team Scaling:** Initially designed the entire UI/UX and system architecture; successfully scaled the department by hiring and managing a **cross-functional team of 8+** designers and developers as the project grew.
- Technical Ownership:** Served as the primary decision-maker for the tech stack and infrastructure, managing Vector Databases (**Pinecone/pgvector**) and ensuring reliable data ingestion and semantic search capabilities.
- DevOps & Infrastructure:** Established robust **CI/CD pipelines** via Vercel and GitHub Actions, maintaining 100% deployment reliability and high development velocity.

Key Projects

AI Agent (AI Chat Assitance with Tools): AI agent that uses tools of *youtube transcript, google books, wikipedia, API calls* with IBM wxflows, leverage auth with clerk, convex db, Langchain, langgraph, Server side event, streaming, and Anthropic.

aiCart - AI mutliti vendor e-commerce (ongoing): Built using NextJS with Clerk, NeonDB, Inngest, Imagekit, and Gemini AI for Auto Product Add Completion, for performance and scalability, deployed via CI/CD pipeline with GitHub Actions to AWS EC2.

Ink Sprout (E-Commerce for Stationery) : A modern stationery platform with secure authentication and optimized product search.

AI Portfolio (ongoing): Next.js 16 (App Router, React 19, Turbopack), Sanity CMS + MCP, OpenAI AgentKit/ChatKit (streaming AI twin, 3 personalities), Clerk auth, Shadcn + Aceternity UI, Tailwind v4, Framer Motion, deploy to AWS — real-time portfolio-powered AI chat.

CORE SKILLS & EXPERTISE

Full-Stack Product Development & Engineering : Proficient in **TypeScript/JavaScript, React, Next.js, Node.js/Express/NestJS**, and modern full-stack architectures. Skilled in building scalable, user-centric web applications with **secure authentication** (JWT, NextAuth/ Clerk, OAuth), real-time features (**Server-Sent Events**, streaming/WebSockets), responsive UIs (**Tailwind CSS, Framer Motion**, Bootstrap), testing (Jest + React Testing Library), and optimized e-commerce/marketplace platforms (SoleMate, CarHive, InkSprout).

Databases: **PostgreSQL** (incl. pgvector for vector embeddings/search), **MongoDB**, MySQL — experienced in relational/NoSQL design, querying, and integration for production apps.

AI, LLM Integration & Intelligent Automation : **LangChain, LangGraph, OpenAI, Anthropic (Claude), Pinecone, pgvector**, embeddings, semantic search, **RAG** pipelines, and **tool-calling** AI agents. Hands-on experience integrating AI for smart automation, chat assistance, and enterprise workflows (e.g., AI-powered appointment scheduling system for US clients with vector databases, streaming responses, and real-time intelligence).

Cloud, DevOps & Enterprise Infrastructure (*Actively Upskilling for Production Scale*) Strong foundation in **AWS** services, **Docker** / containerization, **Kubernetes** orchestration, **Redis** (caching/pub-sub), **Kafka** (event streaming), **Linux** administration, and **CI/CD** pipelines (GitHub Actions, Vercel). Focused on cloud-native, scalable, high-availability systems to support enterprise-grade deployments.

Leadership, Agile Execution & Cross-Functional Collaboration Proven team lead experience mentoring frontend/backend developers and UI/UX designers, coordinating cross-functional teams, refining technical requirements, and driving product planning. Strong in **Agile/Scrum methodologies**, system design, problem-solving, market/user insights, UI/UX prototyping (**Figma**), and leadership roles (Rotaract Vice President/Secretary).

Education

BSc (Hons) Computing 2020 – 2023
Softwarica College of IT and E-Commerce

A-Level 2016 – 2018
Chelsea International Academy