

Samarth Subedi

📍 Kathmandu, Nepal

✉ contactsamarth42@gmail.com 📞 +977 9847036290

🌐 in/samarth44600 🔄 /samarth44600

🌐 www.samarth.com.np/

For live deployment URLs, full system architectures, and the most up-to-date version of my CV, please visit www.samarth.com.np

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years of continuous, full-time experience architecting and building robust, production-grade web applications utilizing Next.js, Node.js, and NestJS. Proven track record of independently owning the full software development lifecycle from multi-tenant SaaS architecture and role-based access controls to cloud deployment (AWS/Docker) and performance optimization. Experienced in delivering highly secure, scalable systems for both private enterprise and government sectors.

SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Redux, React Query, Shadcn UI, Ant Design, Storybook

Backend: Node.js, NestJS, Express.js, RESTful APIs, Redis, Message Queues, Multi-tenant SaaS Architecture

Database: PostgreSQL (indexing, query optimization), MongoDB, MySQL

DevOps & Cloud: Docker, AWS (EC2, S3), Coolify, GitHub Actions (CI/CD)

Testing: Jest, React Testing Library: unit, integration, E2E

Performance Optimization: Lazy loading, memoization, caching strategies, code splitting, database query optimization

Testing & Tools: Jest, React Testing Library, Postman, Git, GitHub, Figma, Agile/Sprint Delivery

EXPERIENCES

Software Engineer | IT Hive Solutions Pvt. Ltd.

May 2025 - Present, Bhaktapur

- Led end-to-end full-stack engineering of a scalable Member Management & Secure Voting Platform using Next.js and NestJS, securely onboarding 500+ registered members for national internal party selections.
- Digitized a legacy paper-based provincial government livestock system with a 4-level approval workflow and real-time GPS tracking, reducing data-entry turnaround time by 60%.
- Designed a 4-level digital approval workflow that cut administrative processing and data-entry turnaround times by 60%.
- Architected role-specific dashboards built with granular jurisdiction-level role-based access control (RBAC) to enforce strict data compliance.
- Owned the full DevOps lifecycle, independently provisioning and managing secure containerized production environments on private government servers via Coolify and Docker.
- Boosted engineering velocity by 30% through advanced AI-augmented workflows and established automated CI/CD deployment pipelines.
- Mentored and technically trained 5 development interns across frontend and backend workflows, ensuring smooth adoption of team coding standards.

Independent Full-Stack Contractor (Full-Time) | Self-Employed (Remote)

Jan 2024 - May 2025, Remote

- Architected and deployed a custom cargo billing system on AWS (EC2/S3) that was successfully scaled into a commercial multi-tenant SaaS serving multiple independent organizations.
- Managed the full client lifecycle, converting ambiguous business requirements into robust database schemas, technical specifications, and production-ready code.

- Built dynamic analytical dashboards and automated Excel/PDF reports, cutting manual client reporting workloads by 40%.

Frontend Engineer | LeanQ Digital

June 2023 - Jan 2024, Kathmandu

- Overhauled a legacy, performance-heavy codebase, improving frontend load times by 30% and query performance by 25% via optimized React Query and Redux state management.
- Engineered core interactive features for an artist matchmaking platform, including location-radius discovery utilizing the Google Maps API and a real-time messaging architecture.
- Developed a comprehensive administrative control panel from scratch to handle automated user moderation and platform metrics monitoring.
- Collaborated closely with backend engineers and UI/UX designers to unblock technical challenges and maintain cohesive sprint deliveries.

Frontend Engineer | LancemeUp

June 2022 - April 2023, Lalitpur

- Promoted from a 3-month engineering intern to a full-time contributor role after demonstrating strong foundational proficiency in React.js and Next.js within production environments.
- Built and optimized interactive UI components for a core SaaS application, directly improving user experience and client engagement metrics.
- Selected to lead a small frontend sub-team on a fast-turnaround client project, successfully coordinating technical tasks and ensuring on-time delivery.

PROJECTS

Cargo Management System

Freelance • cargo.samarth.com.np

- **Architecture & Scale:** Multi-tenant logistics SaaS handling 200+ invoices per branch with deep database-level tenant isolation, optimized PostgreSQL indexing, and granular multi-branch RBAC.
- **Stack:** Next.js, NestJS, PostgreSQL, Redux, React Query, AWS EC2, S3

AVIR — Animal Vaccination & Identification Recording System

IT Hive Solutions Pvt. Ltd. • avir.doldfd.bagamati.gov.np

- **Impact:** Government-grade livestock tracking platform deployed across 3+ municipalities tracking 1,000+ animals; features mandatory digital forms with real-time GPS verification to ensure data collection integrity.
- **Stack:** Next.js, Directus CMS, PostgreSQL, Tailwind CSS, React Query, Coolify

Gatisheel Loktrantik Party- Member Management and Secure Voting Portal

ITHive Pvt.Ltd. • go.gatisheel.party

- **Core Delivery:** Secure digital voting and onboarding platform utilized to conduct internal candidate selection matches for national elections, featuring a schema-driven dynamic form builder and multi-level RBAC permissions.
- **Stack:** React, Next.js, TypeScript, NestJS, PostgreSQL, React Query

EDUCATION

Bachelor in Computer Application (BCA)

(Expected Graduation: Late 2026)

Universal College • Maitidevi, Kathmandu

Higher Secondary Education (+2 Management)

GPA: 3.05

Bridgewater International | College • Sinamangal, Kathmandu • 2021
