

# Newton Dhukhwa

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Resourceful Software Engineer with a dedication to crafting groundbreaking solutions. Proven ability to consistently deliver exceptional work and thrive in collaborative environments. Possesses a passion for tackling intricate technical hurdles and a relentless desire for continuous learning. Eager to contribute to a dynamic organization and propel software development forward through impactful projects.

## Work Experience

### Software Engineer

June 2024 - July 2025

*Azminds Services Pvt. Ltd*

- Contributed to creating and improving software applications, ensuring adherence to project specifications and coding best practices.
- Partnered effectively with colleagues to diagnose and troubleshoot technical challenges, guaranteeing smooth and dependable software operation.
- Supported the testing and debugging process of software applications, streamlining performance and delivering high-caliber solutions.
- Proactively participated in code review sessions, offering constructive feedback to elevate code quality and maintainability.
- Exhibited exceptional problem-solving abilities and a dedication to continually refining software development practices.

### Associate Software Engineer

April 2023 - May 2024

*Azminds Services Pvt. Ltd*

- Contributed to the development lifecycle of software solutions through coding, testing, and debugging, ensuring high-caliber deliverables.
- Partnered with senior developers to grasp project needs and actively shape the development process.
- Championed code reviews by identifying improvement areas and implementing enhancements.
- Demonstrated a growth mindset by actively acquiring new skills and staying abreast of evolving technologies and industry trends.
- Exemplified a strong work ethic and a dedication to delivering robust and efficient software applications.

# Projects

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## **YachtCloud** – *Yacht Listing and Management*

Contributed to the development of Yacht Cloud, a comprehensive yacht charter management and booking platform designed for brokers, customers, and fleet managers. Built with Next.js 12, React 17, Material-UI, Redux Saga, and TypeScript, the platform streamlines yacht listings, reservations, and operations. My contributions involved working on the yacht catalog interfaces, booking workflows, and admin dashboard components, helping enhance usability, data flow, and consistency across the platform.

I also contributed to related projects within the Yacht Cloud ecosystem, including:

- **Yacht Catalog** – A luxury yacht showcase and charter booking platform built with Next.js, Material-UI, and Mapbox, where I helped develop interactive yacht galleries, crew profile sections, and PDF brochure generation features to improve client presentation and engagement.
- **Exclusive Gulets Platform** – A modern luxury gulet charter platform developed with React 19, TypeScript, and Vite, where I contributed to refining the frontend architecture, ensuring type safety, and maintaining code quality standards through consistent linting and formatting practices.

## **Agent Next Door** – *Real-State Property Listing*

Developed user interfaces and core functionalities for Agent Next Door, a modern real estate platform designed for property listings, agent discovery, and advanced property searches. Built using React 18, TypeScript, and Vite, with Redux Toolkit, TailwindCSS, and ShadcnUI for a polished and responsive UI, I focused on creating a seamless experience for clients, agents, and admins. My contributions included implementing interactive maps using Leaflet and Google Maps, designing multi-step property listing forms, and building advanced filtering and agent-matching systems. Additionally, I optimized the platform for SEO with structured data, ensuring higher visibility and a smooth, mobile-friendly browsing experience that enhanced engagement and usability across all user types.

## **TechInfraMap** – *Digital Infrastructure Market Intelligence*

Developed the frontend for TechInfraMap, a comprehensive data center visualization and analytics platform. Built with React, TypeScript, and Redux Toolkit, and enhanced using the Google Maps API, Chart.js, and TailwindCSS, the platform enables users to explore and analyze global data infrastructure with ease. My contributions included implementing interactive hierarchical cluster maps, advanced filtering and search features, and real-time data visualizations for performance analytics and comparisons. Additionally, I integrated submarine cable connectivity visualization and geographic data analysis tools, empowering users to gain actionable insights into infrastructure distribution and network connectivity across regions.

# Education

2019 – 2024

Bachelor of Computer Application at **Tribhuvan University**  
*Honing programming skills, wielding development methodologies, mastering database architecture, and delving into cutting-edge IT applications*

# Skills

Proficient in modern frontend technologies, including React (16–19), Next.js (12–13), and TypeScript, with strong expertise in state management using Redux Toolkit, Zustand, and Redux Saga. Experienced in crafting responsive and visually appealing interfaces with Material-UI, TailwindCSS, and ShadCN UI. Skilled in implementing interactive maps and geospatial visualizations using Google Maps, Mapbox, and Leaflet, and optimizing builds with Vite, Webpack, and ESBuild.

Knowledgeable in DevOps practices and AWS cloud services, with proficiency in Git version control for collaborative development. Specialized in real-time web applications, multi-tenant architecture, SEO optimization, and mobile-responsive design, ensuring high performance, scalability, and seamless user experiences across devices.

Frontend Architecture	Problem Solving	Project Management
Streamlined UI Development	Requirement Analysis	Security and Compliance
Performance Optimization	Agile Methodologies	Team Collaboration
Cloud Concepts	Responsive Design	Git Version Control