

Tanchohang Angdembe Limbu

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<https://tanchohang.dev> | <https://github.com/tanchohang>

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Technical Skills

- Programming languages: HTML 5, CSS, JavaScript, Typescript, Dart, Java, PHP, Python
- Frameworks: Node, Express, NestJS, NextJS, React, Angular, GraphQL
- Databases: MongoDB, NoSQL, MYSQL, PostgreSQL
- Cross-platform mobile app development using Dart and Flutter
- Machine Learning and Deep Learning frameworks: PyTorch, Keras
- Confident on working with APIs, SDKs, frameworks, and libraries
- Miscellaneous: GIT version control, state management Redux, Zustand, Jest testing framework, Docker, Agile Development, Fullstack Development, Bootstrap, TailwindCSS, Google Cloud Platform, AWS, REST APIS, SOAP APIS

Projects

- **Keepup:** A Chat Application
 - The frontend is built on ReactJS. Meanwhile, the backend is built on NestJS and uses MongoDB as database.
 - It has features like authentication, group chat, video call, and audio call. It uses WebRTC and Socket.io to facilitates the communication. It is hosted on <https://keepup.tanchohang.dev>
- **SkyVault:** A Photos Storage and Sharing Application
 - This app lets users upload their photos and share it. Specifically built as a mini mock of cloud storage SaaS for use in personal projects.
 - The backend is built on NodeJS and NextJS is used for the frontend.
 - Features: Authentication, public and private section and public images can be shared through a share link. It is hosted on <https://skyvault.tanchohang.dev>
- **Langtang:** A React Component Library
 - A personal collection of pre-built react components that can be reused across react projects. It has components like buttons, input fields, cards, section layout, skeleton components, and many other components.
 - It is built with the aid of Storybook and can be viewed on <https://www.chromatic.com/library?appId=640714702dd184f381394bb1>

Employment History

- **Associate software engineer**, Sasoft Enterprises Pvt. Ltd. (2017-2019)
 - Contributed on both the frontend and backend development of a Student Management System.
 - Primarily worked on forms. Complex and long multistep forms were particularly challenging to implement. Specially the
 - Conducted requirement analysis on the need for state management and convinced the project manager for implementation of NgRx state management library.

- Also worked with newer colleagues to bring them up to speed with the system.
- Technologies used were: Php, Laravel, MySQL database, Angular JS
- **Placement Developer, Edinburgh Napier University (2021)**
 - Contributed to the inception, design, and development of Smart Home Tech website. Figma was used for UI design and Python Django was used for development.
 - Demonstrated working in a team with colleagues and communicating with the client for feedback on requirements and solutions.
 - Sprint based Agile development principle was implemented for flexibility and time management.

Education

- **Bachelor of Information Management, Shanker dev Campus, Tribhuvan University (2014-2018)**
 - Module Includes: C, JAVA, Web technologies (HTML, CSS, JS, PHP, and SQL), OOP with JAVA, Data structures and Algorithm with java, Operating system, Principle of Management, Business Strategies, Digital Logic Design, Discrete Math's, Statistics, Database and System Design.
 - The final year project included a full fledged Restaurant Management System built on Angular and Google Firebase. Project code can be found on GitHub.
- **MSc. Computing, Edinburgh Napier university (2020-2023)**
 - The module included: UX and Service design, Business Intelligence, Data Wrangling, Software engineering, Information System Engineering and Deep Learning. Programming languages and frameworks used on the Course: C#, Python and Django, PHP, and JavaScript, Scikit-learn and Keras.
 - The dissertation was on the study of the effectiveness of various models like CNN-LSTM, Encoder-Decoder and Transformers on Radiological Report generation using deep learning.

Professional Development

- Interest in Machine Learning: frequent visitor of Kaggle and learning Pytorch.
- Enjoy learning programming languages: Learning Rust.

Additional Skills and Proficiencies

- Familiar with Agile and Scrum working methods
- Confident building and optimising development processes
- Experience with user testing
- Experience with design patterns implementation
- Strong communicator, able to motivate and engage teams

Personal Interests

- Singing and playing Guitar
- Football and Basketball
- Language learning: German and Japanese

