

Kencho Tshering

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Nationality: Bhutanese

gitLab: <https://gitlab.com/developer89365>

Summary

Experienced in project management, web development, and blockchain. Adapt at delivering complex projects efficiently, driving innovation through technical expertise. Skilled in user experience design, using Figma to create effective, audience-focused designs. A collaborative team player with strong adaptability, consistently contributing to a positive and productive work environment.

Skill

Hard Skill	Soft Skill
<ul style="list-style-type: none">● project management● web development● blockchain● user experience design (basic figma)	<ul style="list-style-type: none">● Team work● Problem solving

Language

- English
- Dzongkha
- Sharshop

Work Experience

Backend & Blockchain Developer for Land Ledger Transaction

(Gyalpozhing College of Information Technology, GCIT, Thimphu — [*Feb – June 2025*])

- Designed and developed a blockchain-based land registry system using Hyperledger Fabric (HLF) to securely manage land ownership, mortgage and tax approvals, and ownership transfers.
- Developed and deployed chaincode (smart contracts) to handle parcel registration and sale initiation.
- Built backend services in Node.js with REST APIs for external systems to interact with the blockchain network.
- Integrated the system with the Bhutan NDI (National Digital Identity) platform to authenticate users via verifiable credentials and QR-based login for secure, decentralized identity validation.
- Implemented APIs and logic to verify user proofs and manage role-based access within the blockchain system.

Full-Stack developer for Startup – Investment

(Gyalpozhing College of Information Technology, GCIT, Thimphu [*Feb – June 2024*])

- Created wireframes and prototypes using tools like Figma to visualize design concepts and gather feedback from the team.
- Designed and implemented user-friendly interfaces for the Startup-Investment platform
- Developed backend services using Node.js to handle project creation, transaction processing, and user authentication securely.
- Integrated XRP Ledger blockchain to enable decentralized transaction recording and ensure transparency of investments.
- Designed and implemented RESTful APIs for frontend-backend communication and blockchain interactions.

- Utilized Git for version control and collaborated with the team through GitLab to manage and review code changes efficiently.

Backend & Blockchain Developer for Cordy Chain

(Gyalpozhing College of Information Technology, GCIT, Thimphu — *[Feb to June 2023]*)

- Designed and developed backend services using Node.js to manage user authentication, harvester records, and transaction data for the Cordy Chain platform.
- Developed and deployed smart contracts on Ethereum to securely record and track Cordyceps harvesting activities from the point of harvest to their arrival at the marketplace, ensuring transparency and traceability.
- Built REST APIs to connect backend services with the Ethereum network, enabling seamless interaction with smart contracts for recording and querying harvest data.
- Integrated role-based access control to ensure appropriate permissions for harvesters, regulators, and marketplace authorities.
- Contributed to the system architecture to ensure scalability, data integrity, and security of blockchain records.

Font-end developer for Canteen Ordering System

(Gyalpozhing College of Information Technology) GCIT, Thimphu *Feb – June 2022*

- Created wireframes and prototypes using tools like Figma to visualize design concepts and gather feedback from the team.
- Designed and implemented user-friendly interfaces for a canteen ordering system.
- Developed a responsive page to view available food using HTML, CSS, and JavaScript to ensure compatibility across various devices and screen sizes.
- Implemented full form validation for the login and registration forms, enhancing user experience and security.

Qualification

Bachelor in Computer Science (Blockchain Specialist)

Gyalpozhing College of Information Technology (GCIT), Thimphu

June 2021 – June 2025

High School (Class XI–XII)

Gongzim Ugyen Dorji Central School, Haa

Completed: 2021

Middle School (Class VII–X)

Chundu Armed Forces Public School, Haa

Completed: 2018

Certificates

Certificate of Participation for *International Hackathon: Developing Decentralized Applications Powered by Bhutan's NDI*, organized by GovTech, DoEE, and Ethereum Foundation, Pangbisa Paro, 25th–27th June 2025

Certificate of Participation for *Blockchain-Based Land Registry System Hackathon*, organized by GovTech and National Land Commission Secretariat, 28th–30th June 2025

Certificate of Merit for 2nd position of class X, Chundu Armed Forces Public School, Haa, 2018

Certificate of leadership role as House Captain, Chundu Armed Forces Public School, Haa, 2018

Certificate of Excellence of class IX for Scoring 93% in IT, Chundu Armed Forces Public School, Haa, 2017

Certificate of Excellence of class X for Scoring 91.3% in IT, Chundu Armed Forces Public School, Haa, 2018

References

Name: Mrs Jigme Wangmo

Position: Team lead of blockchain, lecture

Company/org/institute: GCIT

Relation to the referee: Team lead, lecturer, supervisor

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