

PROFESSIONAL EXPERIENCE

YaYpply, Kathmandu

Mar 2024 - Dec 2025

Founder (Tech)

- Built B2B SaaS platform for headcount capacity planning with **RAG-optimized pipelines and vector embeddings** to extract insights from unstructured organizational data.
- Architected and developed backend and AI pipelines and led a team consisting of a co-founder and interns.
- Built insight extraction from **unstructured content into dynamic visualizations**.
- Participated in pitch competitions gaining exposure to investors and the startup ecosystem.
- Paused venture due to sales execution gap and capital constraints despite strong technical delivery with validated problem and product-market fit.

datag Inc., Tokyo | Remote

Aug 2023 - Feb 2024

Engineering Manager (Consulting)

- Engaged through own consulting company on a fixed-term contract to lead development and manage the engineering team of a new recruitment-focused B2B startup.
- Managed distributed team across Nepal and Uzbekistan and coordinated with founders across Japan and Singapore.
- Led the development of a **High Availability/High Scalability** platform for automated candidate screening.
- **Established DevOps rulebook** and introduced the use of **IaC** establishing reliable deployment and maintenance across multiple environments.
- Architected **serverless** solutions to enable parallel processing of candidate documents using SQS and Lambda.
- Created and managed **growth plans** for individual engineers.

Fourth Valley Concierge Corp, Tokyo | Remote

Technical Advisor

June 2023 – Sep 2023

- Supported leadership transition post-employment providing continuity on strategic initiatives.
- Provided guidelines on engineering KPIs, OKRs on various engineering levels.
- On-call support for infrastructure related emergencies.

Technical Lead

Jun 2022 – June 2023

- Managed distributed team spanning **multiple countries**.
- Established **standards** for sprint planning, code reviews, and CI/CD workflows and deployment schedules.
- Implemented **scalable serverless backends and microservices** with Lambda, API Gateway, CloudFormation.
- **Reduced infrastructure cost by 20%** through rightsizing, automation, load balancing, and monitoring with CloudWatch.

Software Engineer

May 2021 – March 2022

- Solved a year-long issue with inconsistent chat connections that was impacting the business by migrating the realtime **chat** feature of the product to Golang from Python achieving high **concurrency** of web socket connections on low resource usage.
- **Architected** and built core modules of the **SaaS** platform for cross-border recruitment of blue-collar workers.
- Led database query optimization efforts coupled with Redis caching reduced response time by over 90% across APIs.
- Collaborated with engineers from different timezones across **Singapore, Japan, Vietnam, and Nepal**

Gachon University, Seongnam, South Korea | Onsite

Sep 2019 – May 2020

Research Assistant

- Conducted research in deep learning, computer vision and generative AI funded by National Research Foundation of Korea (NRF) and IITP grants.
- Research led to first-author publication in the Applied Sciences journal on multi-task aware, single image-based action recognition.

UXCam Inc. Kathmandu | Onsite

May 2017 – July 2018

Research Engineer

- Built and owned a **competitive intelligence** platform that analyzed SDK usage across millions of mobile apps to identify potential customers.
- Architected rate-limiting-aware crawlers using AWS ecosystem to scrape app stores and extract APKs for SDK analysis.
- Orchestrated an app exploration system using Genymotion instances to simulate user journeys and capture behavioral data in parallel at scale.

EDUCATION

Tribhuvan University(Deerwalk Institute of Technology) | Nepal (2013-2017)

- BSc. Computer Science and Information Technology

PUBLICATION

- **Bhandari, B.**; Lee, G.; Cho, J. *Body-Part-Aware and Multitask-Aware Single-Image-Based Action Recognition*. *Applied Sciences* **2020**, *10*(4), 1531. DOI: 10.3390/app10041531.

CONTENT CREATION EXPERIENCE

Programming Blog ([Blog](#))

- Grew readership across **180 countries** producing tutorials on Python, Backend, AWS, AI/ML.
- Contents republished and distributed consistently by major feed aggregators like planetpython.org

TECHNICAL SKILLS

- *Programming Languages*: Python, TypeScript, Golang, SQL
- *Frameworks & Libraries*: Django, FastAPI, React.js, Next.js, GraphQL
- *Databases*: PostgreSQL, MongoDB, Redis, Elasticsearch, Vector databases
- *Cloud Platforms*: AWS
- *DevOps & Infrastructure*: Docker, Terraform, EKS, Lambda, API Gateway, S3, SQS, GitHub Actions
- *AI/ML*: LangChain, OpenAI API, Hugging Face, PyTorch
- *Architecture & Practices*: Event-Driven Architecture, Microservices, RESTful APIs, WebSockets, TDD, Agile