

# BINIT LIMBU

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Mechinagar Municipality, Province No. 1, Nepal

## PROFESSIONAL SUMMARY

Backend-focused software developer specializing in building scalable REST APIs and distributed systems using Django and PostgreSQL. Experienced in designing authentication systems, implementing real-time features with WebSocket, and optimizing performance with caching strategies. Strong foundation in database design, containerization, and cloud deployment. Seeking Backend Developer or Software Engineer roles to contribute to innovative solutions at scale.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL

**Frameworks & Libraries:** Django, Django REST Framework (DRF), Django Channels, React

**Databases:** PostgreSQL, Redis

**Tools & Technologies:** Docker, Git, Linux, WebSocket, RESTful API Design

**Cloud & DevOps:** AWS (EC2, S3, RDS), CI/CD basics, Containerization

**Core Competencies:** API Development, Authentication & Authorization, Database Schema Design, Caching Strategies, CRUD Operations, Pagination & Filtering, Version Control

## EXPERIENCE

### Backend Developer

#### Self-Directed Projects | Remote

- Built REST APIs using Django REST Framework with token-based authentication and role-based access control
- Implemented real-time features using Django Channels and WebSockets in project-based applications
- Implemented pagination, filtering, and search for API endpoints handling larger datasets
- Containerized multi-service backend applications using Docker and Docker Compose, ensuring consistent development and deployment environments across different platforms
- Deployed personal projects to AWS services (EC2, RDS, S3) to understand cloud deployment workflows

## KEY PROJECTS

#### AI Documentation Generator | Django REST Framework, React, GROQ API

Live

- Developed a backend service that accepts project source code as a .zip file and generates README-style documentation
- Implemented secure file upload, extraction, and processing pipeline using Django REST Framework
- Integrated GROQ API to generate structured, human-readable documentation from uploaded source files
- Deployed the application on Render with persistent storage, accounting for cold-start behavior

#### BookFace (Social Media Platform) | Django REST Framework, PostgreSQL, JWT, React

Github

- Built RESTful APIs for users, profiles, posts, likes, and follow/unfollow functionality using DRF
- Implemented JWT-based authentication with protected routes and token refresh handling
- Designed relational database schema for users, posts, and social relationships with pagination for feed endpoints
- Integrated frontend with backend APIs to deliver personal and global dashboard feeds

#### Real-Time Chat Application | Django, Django Channels, WebSocket, Redis,

Github

- Built a real-time messaging application using Django Channels and WebSockets to support concurrent users
- Used Redis as a channel layer for asynchronous message handling and WebSocket connection management
- Designed database schema for message persistence, user relationships, and chat room management

## EDUCATION

#### Purbanchal University

Postgraduate Diploma in Computer Application

July 2025 – Current

Province No. 1, Nepal

#### Tribhuvan University

Bachelor's Degree in Business Studies

March 2021 – June 2025

Province No. 1, Nepal