

Bishal Regmi

Kathmandu, Nepal | P: +977 9841947294 | regmibishal42@gmail.com

EDUCATION

KANTIPUR CITY COLLEGE

Bachelor in Computer Application

Cumulative GPA: 3.6/4.0

Relevant Coursework: Software Engineering; Operating Systems; Algorithms; Artificial Intelligence, Database management

Kathmandu, Nepal

Sep2018 – Aug 2023

WORK EXPERIENCE

PACECODE PVT. LTD.

Backend Developer

Kathmandu, Nepal

Jun 2024 – PRESENT

- Developed and integrated a virtual tour feature using **360-degree VR images** in a NestJS application, allowing users to experience immersive property tours with hotspot based image navigation.
- Implemented **Typesense** for a global fault tolerant fuzzy search functionality in a NestJS + TypeORM project, optimizing search speed by **60%** and indexing over **10,000** records to enhance data retrieval efficiency.
- Integrated **Connect IPS** and **NCHL** (credit/debit cards) for online payments in a backend system, ensuring secure transactions..
- Used **AWS S3 API** via the **AWS SDK** to manage object lifecycle, including secure deletions and error handling, ensuring idempotency and transaction-safe operations in **TypeORM**.
- Led a major upgrade of a NestJS TypeORM project from version 0.2.45 to 0.3.20, overcoming critical breaking changes to optimize performance and maintainability.
- Implement real time notification using firebase

AEON SOFTWARE SOLUTIONS

Backend Developer

Kathmandu, Nepal

Jan 2023 – Nov 2023

- Led the development of a RESTful API in Go Lang, optimizing database integration and reducing response times by 30%. Integrated payment gateways (**Khalti, eSewa**), enhancing transaction efficiency.
- Improved Go Lang application performance by 25% through bottleneck analysis. Implemented **full-text search** in PostgreSQL, cutting query times.
- Seamlessly integrated GraphQL into a Go Lang project, enabling more efficient data retrieval and enhancing API flexibility. Developed complex resolver functions with GORM, reducing query execution time by 35% and improving overall data access efficiency.
- Containerized backend,frontend and postgres database with docker, reducing deployment time.

INFO-DEVELOPERS PVT. LTD

NodeJs Trainee

Lalitpur, Nepal

Oct 2022 – Nov 2022

- Developed Node.js microservices and RESTful APIs for backend projects.
- Implemented test-driven development with Jest and Supertest.
- Utilized PassportJS and Sequelize for authentication and database operation

ADDITIONAL

Technical Skills: TypeScript, GO, NodeJS, NestJS, SQL,MongoDB, Redis, GraphQL,AWS, git, Docker,

Certifications: Getting Started with Cloud(**AWS**), Getting Started with Compute(**AWS**), Getting Started with Networking(**AWS**)