

Bikram Gyawali

I am a dedicated Full-Stack Developer with 4 years of experience. I am passionate about creating innovative solutions, and my work is driven by a commitment to quality and efficiency.

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Technical Skills: Javascript, ReactJs, Nodejs, MongoDB, Strapi, Koa, Fastify, Firebase, Git, Protobuf, Golang, PostgreSQL, Microservices, Stripe, RabbitMQ, GraphQL, WebSocket, Socket.io, Leaflet, Husky, CI/CD, GitHub Actions, Docker, Prometheus, Grafana, FFmpeg, JSON, REST, LINUX, GRPC, SOLID, NGINX, OOP etc

Soft Skills: Communication, Cultural Adaptability, Mentoring, Agile familiarity, Teamwork, Creativity

Professional Experience:

Mid Backend Developer | Golang

Edit Enterprises | 2024 - present

Lawyer Service:

- Developed backend service with Golang from scratch
- Involved in database schema design , normalization among tables and query optimization
- Implemented Websocket for communication
- Implemented payment and subscription functionality
- Involved in designing database schema, and project architecture for scalable, maintainable system
- Maintaining CI/CD pipelines with docker , docker hub and fully containerized project
- Reviewing of code with constructive feedback to team members
- Optimized the api performance reducing latency from 15 seconds to 400ms
- Addition of rate limiter to improve the api security
- Handling of docker networks for communications among containers

Junior Full Stack Developer (Backend focus) Virtual Gravity | 2021 - 2024

Lif3-Tracker (Organisational Crypto and Exchange Tracking System)

- Implemented RBAC (Role Based Access Control) system.
- Cross-Device | Cross-Browser Role Based Functionality.
- Optimized code using promises and async functions.
- Implemented a Firebase notification system.
- Integrated a Stripe subscription system for the SAAS project.
- Implemented multiple user role login and registration system.
- Dockerized the system for enhanced portability.
- Implemented Database Trigger actions in MongoDB for real-time updates.
- Implemented OAUTH2.0
- Implemented CDC , Observer Pattern to perform user oriented information relay

Contract / Freelance:

Restaurant (POS) – ANIVOR

- Lead the development team throughout the software development process.
- Implemented Data Analytics.
- Integrated Prometheus and Grafana for server monitoring
- Socket io for real-time communication and order retrieval, notifications.
- QR code functionality for real-time and efficient order.
- Invoice generation for orders and propagating to customers through email/WhatsApp.
- Managed DigitalOcean droplets (LINUX), including Dockerization, deployment, and handling NGINX configurations, and managed CI/CD pipeline through GitHub Actions
- Implemented Redis Adapter for socket communication among multiple instance of server

Personal Projects

Hospital Management System-MERN (Hackathon Project)

- Designed and implemented features for hospital staff, beds, status, services, events, and vacancies, with analytics and online booking.
- Created an appointment system with token generation and association functionality.
- Demo Video: www.youtube.com/watch?v=WP749Qv4AmI&t=1s

Covid-19 Tracker Nepal

- Implemented geographically-based COVID status retrieval.
- Utilized GeoJSON for map-based district selection.
- Developed rankings, graphs, and FAQs for comprehensive tracking.
- Demo Video: www.youtube.com/watch?v=P8ioQr2sLyE&t=51s

Applicant Tracking System (ATS) – RosAI Final Year Project

- Implemented TF-IDF and Similarity search algorithm to find similarity scores between job descriptions and applicant resumes/CVs and sort them by scored value.
- Implemented GeoHash algorithm for sorting available jobs according to applicant location and job location

Video Processing:

- Recognition of video content and words, generation of subtitles automatically and embedding them as subtitles in the video, highlighting the exact word spoken by the speaker from a sentence using tools like FFmpeg

Documentation Automation:

- Created documentation automation for express application to avoid manual update of swagger JSON for REST api project.

EDUCATION

Tribhuvan University/BSc.CSIT

Kathmandu, Nepal (2020-2024)

Kanti Secondary School / +2 / SEE

Butwal, Rupandehi(2014-2019)

Interests: Chess, Solving Rubix Cubes, Magics, Riddles