

BISHAL REGMI

BACKEND DEVELOPER

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PROFILE SUMMARY

Skilled back-end developer with extensive knowledge of programming languages, including Go, Typescript,JavaScript and fundamental knowledge of Java,C,C++ and Python. Demonstrated success in developing back-end solutions that maximize efficiency.

TECHNICAL SKILLS

React/NextJs	PostgresQL	Go Lang
ExpressJs/NestJs	MongoDb	GraphQL
git /github	Typescript	Docker

PROFESSIONAL SKILLS

Critical Thinking Team Leader
Problem Solving
Communication

EDUCATION

+2 Science (82%) 2015 – 2017
Herald International College

BCA(3.5)
Kantipur city college 2018-2023

WORK EXPERIENCE

Go Intern

Aeon Software Solutions,Putalisadak Jan, 2023 – May, 2023

- Develop a RESTful API using Go Lang, along with a database backend and appropriate testing and documentation.
- Build a simple CLI (command-line interface) tool using Go Lang that performs a specific task, such as file manipulation and data analysis.
- Contribute to an existing Go Lang project by fixing bugs or implementing new and complex features.
- Develop a concurrent program using Go Lang that solves a specific problem, such as processing large datasets or handling multiple client requests simultaneously.
- Implement GraphQL in existing REST based project and implement GraphQL resolver functions with GORM.
- Optimize the performance of an existing Go Lang program by analyzing bottlenecks and implementing improvements.
- Implement security features, such as encryption or authentication, in a Go Lang project to improve its overall security posture.
- Perform complex database queries such as distance calculation based on longitude,latitude. Implement full text search in PostgreSQL and searching on JSONB data in PostgreSQL

Info Developers , Lalitpur

- Developed NodeJS based micro services and REST APIs, Optimized for low latency and high concurrency.
- Worked on 2 back end projects as a part of skill set assessments, first project was canteen management system with socket.io push notification and second was a personal blog site.
- Learned about using various authentication middle ware libraries such as passportsJs
- Used Sequelize ORM and learned about database migration.
- Learned how to collaborate with other developers on a medium to large scale projects.
- Hands on experience with PostgreSQL and MongoDB
- Learned how to improve query performance with indexing in RDBMS.
- Improved API performance with caching and avoided time-consuming database operations.
- Developed complex queries and stored procedures.

PROJECTS

Travel-freely(4th semester):

A travel guide website that uses travel advisor API to suggest nearby attractions,hotels,resturtants and parks in a google map, where a user can filter those based on reviews, ratings and pricing.

Roles:

- Integrated Google Maps API and live location feature
- Integrated Material UI for the front-end
- Implemented React higher-order components to reuse component logic
- Implemented Redux toolkit for complex state management in the app.

Concept Two(5th semester):

A full stack e-commerce application built using expressJs, React and mongoDb.

- Integrated Cloudinary as image hosting cloud service provider.
- Implemented and managed user/admin authentication using JWT token
- Implemented Reset Password Feature using Node mailer package.
- Created complete back-end micro-services from scratch.
- Used React higher-order components to reuse component logic in the fronted.
- Implemented Redux to manage complex state logic in the frontend
- Used Material UI for Components and MUI Data Grid to display admin data in tabular format in the dashboard
- Integrated Khalti API as payment processing mechanism.
- Successfully implemented ways to track orders for the client
- Used chart.js to visualize sales and order data for the admin dashboard.
- Integrated Role based authorization in the backend by creating custom Auth middleware
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KuraaKani(6th semester):

A full stack chat application that uses React on the front end and ExpressJs(NodeJs) on the backend along with Socket.io for real time communication.

Roles:

- Integrated Socket.io for realtime chat and push notification
- Created API Endpoints for group-chat and single user-user chat
- Used MongoDB Atlas as live database
- Hosted the entire site in Heroku free hosting service
- Integrated ChakraUI as styled component in the front-end
- Implemented state management with react-context and use Reducer hook
- Created entire authentication endpoints from scratch

Other Projects:

Doge News

A crypto news providing site that uses free API from rapid API to display current value of various crypto and current global trends using react-chart, along with current economic news.

Truthy-Quiz:

A simple true and false quiz game using redux-toolkit and redux saga.

ConceptOne:

Full stack Django eCommerce website focused on selling electronic second hand gadget that uses vanilla html,css,js in the frontend and Django framework to handle back-end with sql lite as database and esewa as payment processor.

DSA-Java:

A Mock project to learn about Data structures and algorithms in java, such as underlying concepts of linked-list,stack,directed and undirected graphs and binary trees.

For Further More Projects Visit My GitHub Profile <https://github.com/regmibishal42>

or my portfolio at bishalregmi.com.np