

SABAL K.C.

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Summary

Results-driven and highly motivated software engineer with a passion for tackling diverse challenges. Proven track record of exploring, learning, and mastering new tools and technologies to efficiently solve complex problems.

Experience

Dapi

May 2021 – Present

Software Engineer - Backend and Web Scraping

Remote (U.S. based company)

- Contributed to the development and maintenance of core back-end services in Go programming language.
- Engaged with various microservices built using gokit and gofiber, which included integration with MongoDB and use of diverse data formats like protocol buffers and JSON.
- Developed web scraping and automation scripts using Puppeteer, Typescript, and Node.js to integrate banking websites and enable open banking capabilities.
- Handled the maintenance and debugging of existing integrations which included tracking and fixing production bugs, adding optimizations, and enhancing code quality and standards to maintain over 90 percent success rate.
- Maintained Dapi libraries in a variety of programming languages (Python, Java, Go) and contributed to enhancements in the client dashboard (React).
- Helped to maintain comprehensive and up-to-date documentation for internal development processes and client-facing API documentation.

Ibriz.AI

March 2022 – June 2023

Frontend developer (Part-time/Consultant)

Kathmandu

- Spearheaded the development and maintenance of various projects in React and Redux
- Excelled in translating intricate figma designs into functional front-end code.
- Gained experience in integration of wallets (Metamask, Coinbase) and smart contracts in Ethereum, ICON and Tezos blockchains

Okhati Solutions

December 2020 – April 2021

Full-stack Developer (Intern)

Kathmandu

- Contributed to the development and maintenance of an EMR software used by clinics, labs and hospitals.
- Added new features and modules and improved existing ones in a system with React, Redux, NodeJS with Express, Objection.js and Postgres database.

Technical Skills

Backend: Golang, NodeJS, Express, Microservices

Database: MongoDB, MySQL, Postgres

Frontend: HTML, CSS, Javascript, Typescript, React, Redux, Flask

Web scraping and automation: Puppeteer

Container tools: Docker, Kubernetes

Other languages and technologies: Familiarity with Python, C, C++, Java, Unity (C sharp), AI/Machine Learning, Blockchain related tools

Education

Pulchowk campus, IOE, Tribhuvan University, Nepal

2016 – 2021

Bachelors in Computer Engineering

Percentage: 73.6

Coursework: Software engineering, Operating system, Object oriented programming, Data structures and algorithms, Artificial intelligence, Mathematics

St.Xavier's College, Maitighar, Nepal

2014 – 2016

Higher secondary education (Science)

Percentage: 86.3

Coursework: Physics, Mathematics, Chemistry

Projects

Posture correction for gym exercises using human pose estimation | *AI, Machine Learning, Python, Flask*

- Bachelors final year major project
- Worked in a group of four, contributed to the pose analysis part for generating rules and final user interface.

Exam Package management system | *React, NodeJS, Express, MySQL*

- Contributed to the backend and database design and implementation.
- Worked on the integration to the frontend.

Certifications

Coursera Certificate : Programming with Google Go Specialization

edX Certificate : Microservices, Serverless, OpenShift