Sabal K.C.

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SUMMARY

I am an enthusiastic and ambitious software engineer eager to take on different challenges. I enjoy exploring, learning and understanding new tools and technologies to solve complex problems.

EXPERIENCE

Software Engineer - Backend and Web Scraping
Dapi   **May 2021 - Present, UAE (Remote)**
· Contributed to the development and maintenance of core backend services in Go programming language.
· 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.
· Contributed to enhancements in the client dashboard (React).
· Maintained Dapi libraries in a variety of programming languages (Python, Java, Go).
· Helped to maintained comprehensive and up-to-date documentation for internal development processes and client facing API documentation.

Frontend developer (Part-time/Consultant)
Ibriz   **March 2022 - June 2023, Kathmandu**
· Developed and maintained multiple projects in React.
· Skilled in converting designs into functional code.
· Knowledgeable in working with blockchain technologies (ICON and Ethereum blockchains) and integrating with web3 wallets and contracts.
· Optimized applications to provide faster loading performance, resulting in a 15% increase in website speed.

Full-stack Developer (Intern)
Okhati solutions   **December 2020 - April 2021, Kathmandu**
· Contributed to the development and maintenance of an EMR software used by clinics, labs & hospitals.
· Added new features and modules along with improving the existing modules in the client frontend system and the backend infrastructure .
· Used tools and technologies like react, redux, nodeJS with express, Objection.js, Knex.js and postgres database.

PROJECTS

Feedback based posture correction for gym exercises using human pose estimation
Major project (B.E.)
· Used pose estimation to analyze posture in videos and generate feedback/correctness by designing a rule based system.
· Implemented a web application for an interactive interface which included a reps counter and real-time feedback.
· Included support for several exercises like bicep curl, shoulder press and pushups.

Exam package management system
IOE, Tribhuwan University
· Implemented a web application using react in the frontend and nodeJS , mysql in the backend.
· Used in the university to track the status of teachers who claim exam answer sheets (packages) for grading.

EDUCATION

Bachelors in Computer Engineering
IOE, Tribhuwan University · Pulchowk, Lalitpur · 2021

CERTIFICATIONS

Programming with Google Go Specialization
Coursera · 2023

Microservices, Serverless, OpenShift
edX · 2022

SKILLS

Frontend: HTML, CSS, Javascript, ReactJS, Redux

Back End: Golang, NodeJS
Databases: MongoDB, Postgres

Web scraping and automation: Puppeteer

Knowledge of other languages: Python, C, C++, Java, C#