Oshan Shrestha

Web Developer / Data Engineer

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in oshan-shrestha ⬡ shresthaoshan ↗ oshanshrestha.com.np 👤 He/Him

Results-driven backend engineer specializing in scalable and robust solutions. Proficient in designing and implementing efficient APIs, databases, and microservices architecture using Python, Go, and Node.js. Collaborative team player committed to delivering high-quality code and driving successful project outcomes. Dedicated to staying updated with the latest technologies and industry trends for cutting-edge backend development.

Professional Experiences

Internship [Backend], *Grepsr Pvt. Ltd.*   04.2023 – present
- Maintained a number of independent services in the microservice architecture which included   Kathmandu, Nepal
  fixing bugs to enhancing API resolution logics.
- Contributed extensively in the migration of event pipeline processors from Flink to Temporal.
- Handled integration of third-party tools like Jira and HubSpot into the event pipelines.

Frontend Developer, *BurgeonTech Pvt. Ltd.*   12.2020 – 02.2023
- Designed and implemented user-facing interfaces that aligned with the product vision and   Dhulikhel, Nepal
  business goals while enhancing user experience.
- Utilized modern frontend frameworks such as React and NextJS along with CSS-in-JS
  libraries such as Styled-Components.

Projects

Purlieu, *Digitization & Automation [Academic]*   09.2021 – 01.2022
- Incorporated e-payment gateway and online wallets integration with custom transaction
  verification server.
- Built a user platform for students & teachers to seamlessly update their cash cards.
- Used: ReactJS, Redux, SCSS, Khalti SDK, ExpressJS, Prisma ORM, MySQL

Routine Management System, *Digitization & Automation [Academic]*   04.2021 – 07.2021
- Built a digital platform to automate the traditional procedures of routine and resources
  scheduling system in Kathmandu University.
- Used: ReactJS, Redux, SCSS, FastAPI, Tortoise ORM, MySQL

Certificates

Back End Development and APIs - FreeCodeCamp (Built various microservices implementing best practices approach using widely used javascript libraries used in real life applications.)

ETL and Data Pipelines with Shell, Airflow and Kafka - Coursera (Built complex ETL data pipelines using each of shell, apache Airflow and Kafka. Also learned about their efficacies, bottlenecks and drawbacks.)

Python Project for Data Engineering - Coursera (Extracted data from multiple file formats, transformed it into specific datatypes, and then loaded it into a single source for analysis.)

Education

Kathmandu University, *B.Sc. Computer Science*   08.2018 – 07.2023
(Electives: Machine Learning, Information Security)   Dhulikhel, Nepal

Skills

Backend Web Development (gRPC, FastAPI, ExpressJS, MongoDB, DynamoDB, MySQL, Prisma, SQLAlchemy)

Frontend Web Development (ReactJS, NextJS, Redux, Vite, Vercel, Tailwind, Ant Design, Figma)