

Oshan Shrestha

Software Engineer

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Result-driven backend engineer specializing in building scalable, efficient and robust system solutions. Proficient in designing and implementing databases, APIs, both in microservices as well as monolithic architecture using Node.js and Python. Collaborative team player committed to delivering high-quality and maintainable code. Dedicated to staying updated with the latest technologies and industry trends for cutting-edge backend development.

Professional Experiences

Associate Backend Engineer, Grepsr Pvt. Ltd.

04.2023 – present
Kathmandu, Nepal

- Actively monitoring, maintaining & updating independent microservices according to the evolving specifications, growing target demographic and in-line with team-goals.
- Maintaining high-traffic data pipelines for fault tolerance and scaling.
- Handling strategic migration of workloads into event pipeline for visibility and optimization.
- Handling integration of third-party tools like Jira and HubSpot to meet the needs of inter-departmental productivity tooling.

Software Developer, Burgeon Tech Pvt. Ltd.

12.2020 – 02.2023
Dhulikhel, Nepal

- Designed and implemented user-facing interfaces that aligned with the product vision and 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.

Academic Projects

Purlieu, Digitization & Automation

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

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

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.),

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

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

B.Sc. Computer Science, Kathmandu University

(Electives: Machine Learning, Information Security)

08.2018 – 07.2023
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)