
SWEJAL SHRESTHA

(+977) 9843486799 | swejalshrestha08@gmail.com | [GitHub](#) | [LinkedIn](#)

TECHNICAL SKILLS

- **Languages and Scripts:** Javascript, Typescript, HTML, CSS, Golang, Python
- **Frameworks:** React, Nodejs, NestJS, Gin, Gqlgen, Fast Api, Dagster
- **Database:** PostgreSQL, MySql, MongoDB, Pinecone
- **Devops:** Docker, AWS, Github Actions

PROFESSIONAL EXPERIENCE

Leapfrog Technology,
Software Engineer

Kathmandu, Nepal
Oct 2023 -Present

- Led a team of Full Stack Engineers in developing a module for Leapfrog's internal HRMS.
- Collaborated as a full-stack engineer to work on a construction domain specific product [Krane](#).
- Contributed in developing a **LLM** chatbot using a Retrieval-Augmented Generation (**RAG**) based **LLM API** with streaming capabilities to address domain-specific user inquiries.
- Contributed in designing and implementing **ETL** processes within a data pipeline for extracting document content efficiently.
- Implemented change detection techniques to monitor document alterations across different 3rd party platforms, ensuring document updates are synchronized.
- Automated CI processes using **GitHub Actions** to ensure code quality and reliability. Implemented workflows for lint checks and unit tests

Outside Tech,
Associate Software Engineer

Kathmandu, Nepal
Oct 2021– Sept 2023

- Collaborated as a Full Stack Engineer for the [Way](#) product.
- Implemented **OAuth2** for secure authentication and established comprehensive **RBAC** authorization mechanisms for secure data access in both frontend and backend
- Collaborated with the team to implement event tracking system using a **PubSub** architecture to monitor system events in real-time and store these events in **GCP BigQuery**
- Integrated **Stripe** payment gateway for efficient online payment

EDUCATION

Advanced College of Engineering
Bachelors in Computer Engineering

Kathmandu, Nepal
2017-2022

MAJOR PROJECTS

Krane

Construction platform for streamlined material supply chain management

- Designed and developed a construction platform to integrate material supply chain management with project logistics, enhancing transparency and reducing material waste.
- Utilized **Next.js**, **Golang**, **PostgreSQL**, **Graphql**, **Dagster**, **LangChain**, **GraphQL**, and **Pinecone** for full-stack development and data pipeline
- Integrated 3rd-party platforms like **Google Drive** and **Procore** to access, preprocess, and store files in a vector database, streamlining the data pipeline.
- Utilized **Python**, **Pymupdf** and **OCR** for extracting textual, tabular and image based information from PDF files

WAY

Centralized Platform for Hotel Experiences and Event Management

- Developed a robust platform enabling hotels to create and manage unique experiences and events, facilitating collaboration between brands and vendors.
- Contributed to the full-stack development using **Next.js** (frontend) and **NestJS** (backend).
- Implemented booking systems for events and ensured smooth transaction handling between vendors, hotels and customers.
- Integrated external systems like **Opera** and **StayNTouch** (Property Management Systems) and **Revinate** and **Custify** (Customer Management Systems), enhancing operational efficiency and customer engagement.

SIDE PROJECTS

[Bubble Trouble](#)

A miniclip game replicating Bubble Trouble utilizing **Javascript** and **Canvas**.

Puja And Priest

An E-commerce platform dedicated to providing a seamless shopping experience for puja items and connecting you with experienced priests for personalized spiritual services. Leveraged technologies such as **React**, **Node**, and **MongoDB**