

SUSMITA SHRESTHA

Software Engineer

+977 9867226842 | susmitashrestha.dev@gmail.com |
linkedin.com/in/susmitashrestha--dev/ | Kathmandu, Nepal

Summary

Full Stack Software Engineer with 2+ years of professional experience building scalable and distributed web applications using **Node.js, NestJS, React, and TypeScript**. Skilled in designing robust **REST APIs**, implementing **microservices architecture**, and optimizing databases with **Prisma, MySQL, PostgreSQL, and Redis**. Passionate about backend engineering, performance optimization, and cloud deployment. Strong advocate of clean, type-safe, and maintainable code.

Experience

Full Stack Engineer

IGC Business Holding, Kathmandu

05/2025 - Present

- Led the development team in building a benchmarking and testing platform, driving architecture, feature delivery, and code quality.
- Designed and implemented **scalable backend services** using **NestJS, Node.js, PostgreSQL, Redis, and MikroORM**, ensuring scalability and fault tolerance.

Software Engineer

Leapfrog Technology Nepal Pvt. Ltd, Kathmandu

06/2023 - 03/2025

- Designed and developed scalable backend services within a **microservices architecture** using **NestJS, Node.js, Express, and MySQL**.
- Implemented unit testing, code review procedures, and enhancing code quality and reliability significantly.
- Participated in Agile Scrum ceremonies, including sprint planning, stand-ups, and retrospectives, to ensure seamless project execution.
- Demonstrated ownership and accountability for tasks while maintaining code quality and performance optimization.
- Collaborated with cross-functional teams of 15-20 members to deliver scalable and efficient solutions.

Software Engineering Intern

Leapfrog Technology Nepal Pvt. Ltd, Kathmandu

05/2023 - 06/2023

- Developed high-quality Image Slider, Box Collision, Ant Smasher, and Car Lane games using DOM canvas in JavaScript resulting in a 50% increase in user engagement and a 30% boost in session duration.
- Devised a Flappy Bird game using ES6 JavaScript.
- Built a photo editor using JavaScript.

Freelance Flutter Developer

Upwork (Remote)

04/2022 - Present

- Collaborated on developing user-centric and minimalist interfaces for a health care application with a team of five developers, with the program's target audiences being patients and healthcare professionals.
- Designed and developed a mobile application for a restaurant enabling users to look at the menu, order food and also book tables.

Skills

- **PROGRAMMING LANGUAGES & WEB TECHNOLOGIES:** JavaScript, TypeScript, C, C++, Dart, NodeJs, Express, NestJs, ReactJs, React query, Tailwind CSS, Flutter.
- **DATABASE & ORM:** MySQL, PostgreSQL, MongoDB, Prisma
- **Tools & Technologies:** Git, REST API, Jira, Jest, Scrum/Agile, Docker, Vite, microservice, web sockets, Oracle cloud

Education

Bsc. in Computer Science

Kathmandu University

08/2018 - 06/2023

Data Structure and Algorithms, Algorithms and Complexity, Operating Systems, System Analysis and Design, Software Engineering, Communication and Networking, Artificial Intelligence, Computer Architecture and Organization

- Projects: Orbit - Localised store finder mobile application, BUSE - Buy, Sell and Exchange (Hamrobazaar clone), Jobs Nepal (Merojob clone)

Certifications

- The Complete Dart Language Guide for Beginners and Beyond, Dart and Flutter - Zero to Mastery + Clean Architecture - Udemy
- Microservices, Clean Code, Code Review - Leapfrog Technology Inc.