Sandesh Shrestha

Software developer

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I hold a degree in Computer Science and have contributed to multiple projects, demonstrating my ability to work well in a team of designers, developers, and programmers. I have deep understanding of web technologies, relational databases, and version control tools.

EXPERIENCE

.NET Developer Internship
Nepex Cargo

Kathmandu
Jan, 2020 - Mar, 2020

- Developed an ASP.NET MVC application to collect COVID-19 patient samples.
- Designed and developed responsive web pages using HTML, CSS, JavaScript, jQuery, and Bootstrap.
- Worked with SQL databases

Junior Software Developer
volcussoft Pvt Ltd

Kathmandu
Jul, 2021 - Nov, 2021

- Frontend Development using Html, CSS, jquery and bootstrap.
- E-commerce and Personal portfolio site in Laravel Framework using MVC Pattern.
- Implemented Khalti and E-Sewa payment method as payment purpose.

Mid Software Engineer
Jaruwa Nepal Pvt Ltd

Kathmandu, Anamnagar
Jan, 2022 - Feb, 2024

- Developed and maintained web applications using Laravel and Express framework
- Design and develop RESTful APIs, ensuring smooth data exchange between systems.
- Work with SQL and NoSQL databases (MongoDB, MySQL, PostgreSQL) to design efficient schemas and queries.
- Work closely with designers, engineers, and product managers to create seamless, user-friendly applications.
- Conducted code reviews and provided guidance to junior developers
- Implemented best practices for security and data protection
- Build and refine applications using this tech stack with a strong focus on performance and scalability.

Mid Software Engineer
Spices Research & Consulting Pvt. Ltd

Kathmandu
Feb, 2024 - Jun, 2024

- Worked as a Software Engineer focusing on maintaining and enhancing an existing web application built with Laravel, React, and MySQL
- Implemented new features based on business requirements, ensuring reliability and scalability
- Collaborated closely with frontend developers and product teams to ensure seamless feature integration and user experience
- Followed best practices for version control (Git), code quality, and Agile workflows
- Strengthened ability to work with pre-existing codebases, understand legacy architecture, and deliver incremental improvements efficiently

Senior Software Engineer
Infotraid PVT LTD

Bhaktapur
Jul, 2024 - Present

- Specialized in backend architecture using Laravel, Node.js (Express), Next.js, and MySQL
- Oversaw technical decision-making, system design, and sprint planning in collaboration with product managers and DevOps teams
- Mentored junior developers through code reviews and guidance, ensuring adherence to best practices in clean code, security, and performance optimization
- Played a key role in defining system architecture and coordinating with cross-functional teams to deliver business-critical solutions
- Delivered complex features, optimized critical database queries, and introduced process improvements that enhanced deployment efficiency and overall code quality

- Sharpened leadership skills and solidified ability to own and deliver production-grade systems end-to-end

EDUCATION

Hons Bachelor of Computer Science   Kathmandu

Sunway International Businss School   Jul, 2017 - Jul, 2021

PROJECTS

Ghar Ghar Ma Doctor

- Implemented features like Online doctor consultation, E-commerce, Medical Packages, Ambulance tracking, Blogs.
- Secure Authentication, Authorization and Multiple user authentication feature to protect data. (eg: 2FA, Tokenization, QR scan login etc).
- Khalti Integration for payment of e-commerce products and services.
- Using Aakash SMS for sms integration Firebase for push notification, Email using smtp and jobs .
- Zoom integration for Online doctor patients consultation.
- Beautiful dashboard with statistics view using graphs and numbers.

https://deployment.ghargharmadoctor.com/

E-Commerce Web App (Micro-service)

- Developing a responsive, SEO-friendly frontend with Next.js and integrated dynamic routing for product detail pages
- Created RESTful APIs using Laravel to manage products, orders, and user data
- Implemented secure user registration, login, and role-based dashboards (admin/user)
- Handled payment integration (e.g., Stripe or Khalti) and email order confirmations.
- Optimized database queries for faster product filtering and category-based search.
- Dockerized the entire application for consistent local development and deployment, using separate containers for React, Node.js, MySQL, and Nginx

https://next-ecommerce-git-main-sandeshshrestha407s-projects.vercel.app/

Saral Banking Sewa

- Developed responsive frontend and backend features using Laravel Blade templates with dynamic routing for fintech product and service detail pages.
- Designed and implemented a monolithic architecture application to manage financial products, user data, and lead submissions.
- Implemented lead capture workflows and automated email notifications for inquiries.

https://saralbankingsewa.com/

Waste Management System

- Built a microservices-based waste management system featuring real-time vehicle tracking, and automated collection scheduling.
- Implemented RESTful APIs for seamless communication between services.
- Integrated authentication, authorization, and role-based access control across services.
- Deployed and managed services using Docker and VPS.
- Collaborated with cross-functional teams to deliver a reliable and high-availability platform.

Terraform AWS EC2 Deployment

- Designed and implemented Infrastructure as Code (IaC) using Terraform to automate provisioning of AWS EC2 instances, VPCs, security groups, and IAM roles.
- Deployed a sample Node.js application on EC2 instances with automated network and storage configuration for high availability.
- Integrated the Terraform workflow with CI/CD pipelines to achieve reproducible and reliable infrastructure builds.

SKILLS

Node.js, Python, PostgreSQL, MongoDB, Express.js, Next.js, TypeScript, Java, Php, Docker, Git, CI/CD, AWS, AI/LLM, Terraform

LANGUAGE

English, Nepali, Newari