

RAJEEV SHRESTHA

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SKILLS

- HTML5, CSS3, JavaScript, Typescript, React.JS, Next.JS, Node.JS, PostgreSQL, MongoDB, Git, Webpack, Vite, Framer motion, Tanstack and Bun.
- Familiarity with Docker, AWS (EC2, VPC, RDS, Amplify), API Integration, Click Up, Jira, UI/UX principles, React Native (EXPO) and Digital Ocean (Droplets, App platform, Container Registry).

PROFESSIONAL EXPERIENCE

Fatdoglabs, DAI Complex, Kathmandu

July 2024-February 2025

Software Engineer

- Maintenance and support for existing “**multi-hierarchy**” application system.
- Completed “*First phase*” of the ongoing project, introducing and implementing new functionalities including:
 - **Live Exam Platform:** Enhanced an existing project by taking ownership from the previous developer, implementing new features, and resolving existing bugs to improve functionality and stability with additional features like adding math questions, live Q&A session for student and teacher, on the go class report generation.
 - **CI/CD Integration:** Migrated existing staging systems to AWS platform, added a UAT environment for client-side testing, and implemented a full-scale CI/CD system on Digital Ocean platform with robust monitoring for seamless deployments.
- Supported a separate team of developers to integrate a dynamic form system in their project.
- Collaborated with a cross-functional team of developers to design and integrate a dynamic form system, streamlining data collection and improving project efficiency.
- Maintenance and support for Nepal’s largest IT gadget e-commerce platform and migrated the existing system from Digital Ocean app-platform to AWS light shell platform.
- Actively engaged in code reviews and provided mentorship to junior developers, promoting a collaborative team culture. Utilized Agile methodologies to streamline task management and deliver high-quality results efficiently.
- Support for maintaining and updating different in-house project’s portfolio.

Software Engineer

- Transitioned the existing system from jQuery and PHP to Next.js and Django, enhancing performance and maintainability.
- Completed *Phase 1* of the project, delivering robust new functionalities including:
 - **Multi-Tenant SaaS Platform:** Developed a scalable multi-tenant SaaS platform to support multiple clients with isolated data and custom configurations.
 - **Timesheet Reporting:** Developed comprehensive timesheet reporting features to streamline employee time tracking.
 - **Job Hazard and Safety Analysis:** Implemented modules to access and report job hazards, improving workplace safety.
 - **Procurement Services:** Created and integrated systems for material requests and purchase orders, refining procurement processes.
 - **Advanced Tracking and Management Features:** Implemented project tracking for progress monitoring, geofencing for location-based services, budget tracking for financial planning, and cost code tracking for accurate budgeting and expense management.
- Worked closely with UI/UX designers and mobile developers to gather requirements, define project scope, and ensure streamlined development, delivering consistent functionality across both web and mobile platforms.
- Participated in code reviews and mentored junior developers, fostering a collaborative and productive environment while using Agile methodologies to manage tasks and ensure prompt, high-quality deliverables.

Front-end Software Engineer

- Developed a private dashboard system overseeing hotel, lodging, and food services, enabling real-time management of 2 web applications. Facilitated seamless updates and monitoring of services, enhancing operational efficiency.
- Co-led cross-functional teams (UI/UX, back-end, QA engineers) to develop and successfully launch an in-house application to beta version, now drawing 5000+ monthly visitors.
- Engineered an inventory system enabling live quantity tracking of foods, cuisines, and meals, featuring an intuitive "add to cart" functionality and incorporated a robust printing system, streamlining inventory management and ordering processes.

Software Engineer Intern

- Demonstrated ability in software development by aiding and collaborating with teams to support in the development of an inventory system, a private dashboard system for managing hotel, restaurant, and lodging services.

- Developed a business sub-module enabling seamless CRUD operations for user-driven business management, including live branch tracking, boosting system functionality and user experience, gaining hands-on learning experiences while contributing to project milestones.
- Strengthened JavaScript fundamentals and highlighted advanced ability in React, TypeScript, and Next.js, elevating my capabilities.

Education

Lalitpur Engineering College (Affiliated to Tribhuvan University)

Bachelor's degree in computer engineering

2017-2022

Projects

- Developed a multi-vendor online E-commerce platform in the 3rd year of college.
- Developed a Nepali Music genre classification system using CNN during the 4th year, co-authoring and publishing a comprehensive project report for college evaluation.
- Developed a comprehensive online learning platform as a freelancing project, featuring course creation, management, and interactive learning tools for instructors and students.