

GAURAV RAJ SHARMA

Kathmandu, Nepal

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🌐 GauravRajSharma

PROFILE SUMMARY

Full-Stack Software Engineer with **5+ Years** of experience designing and developing web applications. Proven ability to work across the entire development lifecycle, from frontend design to backend development and infrastructure deployment. Skilled in a variety of programming languages, frameworks, and tools, with experience leading engineering teams on various projects

QUALIFICATION - AREAS OF EXPERTISE

- **Full-Stack Development:** Proven ability to design, develop, and deploy web applications from user interface (front-end) to data processing and storage (back-end) utilizing a diverse range of programming languages, frameworks, and tools.
- **Infrastructure Management:** Expertise in setting up, managing, and scaling efficient deployment environments using tools like Docker, Kubernetes, and Linux, ensuring smooth application operation.
- **Cloud Technologies:** Experience in leveraging cloud platforms like DigitalOcean and Azure to achieve scalable and reliable deployments, optimizing application performance and availability.

Languages	Python, Golang, JavaScript (Node.js and Browser), SQL
Technologies	TypeScript, Next.js, React, React Native, Vue.js, Django
Tools	Git, Docker, Kubernetes, Linux, Bash, Nginx/Caddy, PostgreSQL

EDUCATION

Bachelor's Degree in Computer Engineering
Kathmandu Engineering College, Tribhuvan University
Kathmandu, Nepal

2019

RELEVANT EXPERIENCE [5 YEARS]

Ultra Tendency International GmbH

Full Stack Software Engineer (2022-present)

- Built a multilingual web application with dynamic content editing and restructuring, improving user experience.
- Managed Azure deployment for the application, ensuring scalability and uptime.
- Troubleshooted production issues using Cosmos DB, GitHub Actions, and Azure pipelines, achieving system stability.
- Architected the system for efficient content management, simplifying multi-language updates.
- Developed a training module for the application, enabling course sales and distribution.
- Integrated payment processing within the training module for a seamless user experience.

Kathmandu Metropolitan IT Department and Connect US Pvt. Ltd

Full Stack Software Engineer (2024 (Freelance))

- Developed a comprehensive IT project monitoring web application to streamline issue tracking and resolution.
- Unified project management for vendors and administrators, enabling features like task assignment, log updates, and status checks.
- Implemented automated SMS notifications for deadlines and improved communication.
- Enhanced vendor efficiency by allowing for log updates and document sharing, while providing the IT department with real-time project and deadline visibility.
- Enabled performance analysis for administrators through vendor-specific project reports.

Bytefaucet Pvt. Ltd

Full Stack Software Engineer + Product Lead (2022-2024 (Freelance))

1. Weather Visualization Software for Department of Meterology and Hydrology

- Led a team of 7 in developing visualization software for the Department of Hydrology, facilitating real-time weather data analysis.
- Built a fault-tolerant automatic synchronization system to establish a national real-time weather database.
- Developed visualizations for weather parameters across stations and interpolated grids for Nepal.
- Created visualizations for various derived meteorological metrics.
- Designed a high-performance data extraction system enabling efficient access to large datasets.
- Optimized database performance with PostgreSQL and PostGIS for faster data processing.
- Engineered a maintainable and extensible web application for report generation and data visualization.
- Implemented automated data quality control to identify and flag invalid weather readings.
- Established a low-maintenance system for continuous operation and minimal human intervention.
- Enabled efficient visualization of large weather datasets from 1981 to present.

2. Contract Information Management System

- Streamlined vendor contract management by facilitating recording and timely status updates.
- Implemented comprehensive tracking for key contract aspects like PGBs, APGs, insurance, and work schedules.
- Automated vendor communication with SMS notifications for document submission deadlines.
- Built a robust reporting system for detailed contract insights and various scenarios.
- Enabled efficient letter generation with dynamic template printing functionalities.

Coresoft Integrated Nepal Pvt. Ltd.

System Architect + DevOps Engineer (2021-2022 (Freelance))

- Established scalable and reliable infrastructure for multiple projects on DigitalOcean using Kubernetes.
- Implemented CI/CD pipelines across development, staging, and production environments for streamlined deployments.
- Provided comprehensive infrastructure support to development teams, resolving issues and ensuring smooth operation.

- Contributed to software architecture, database design, and workflow creation for various product teams.
- Offered technical expertise in React, React Native, Node.js, Kubernetes, Docker, DigitalOcean, and PostgreSQL to support development teams.

National Disaster Risk Reduction And Management Authority

Frontend Engineer (2021-2022 (Freelance))

- Built a web application for the Nepal government to streamline disaster data collection, storage, and management.
- Implemented automated data features for efficient and accurate data entry, updates, and secure storage.
- Integrated payment rollout management for coordinated tracking of disaster relief funds.

Fiberknot Digital Pvt. Ltd

Full Stack Software Engineer (2020-2022 (Full Time))

1. Complete Ecommerce Solutions

- Developed custom e-commerce solutions using modern web technologies for retail shops and local farms.
- Implemented role-based access control for secure and tailored user experiences.
- Empowered clients with rich text editors for easy content management and user engagement.
- Built user-friendly CMS systems for efficient product management and business growth.

2. Automated Accounting and Tax Filling System for Ecommerce Vendors

- Built a full-fledged web application for seamless connection and management across diverse digital marketplaces and vendors.
- Automated tax reporting by aggregating sales data from various platforms for efficient financial management.
- Implemented real-time inventory tracking across multiple marketplaces, ensuring accurate stock visibility.
- Developed a streamlined vendor communication system for efficient collaboration across marketplaces.
- Simplified order tracking and receipt generation for customers, enhancing user experience across all sales channels.

Podamibe Pvt. Ltd

Full Stack Junior Software Engineer (2019-2020 (Full Time))

1. Interactive Voice Response System.

- Developed a highly configurable IVR system adaptable to meet evolving business needs.
- Integrated subscription functionalities within the IVR to boost user engagement and service offerings.
- Built a user-friendly admin panel for efficient subscription tracking, recording updates, and IVR configuration.
- Enabled data-driven decision making through comprehensive IVR analytics and subscription tracking.

2. Subscription based auto-renewal Payment System

- Developed a custom auto-renewal payment system for Merolagani, streamlining subscription management and renewals for their customers.

- Built a comprehensive dashboard for tracking key subscription metrics (total subscriptions, revenue) to support data-driven decisions and performance analysis.

3. General Purpose e-Payment Integration System.

- Built an internal payment integration tool for seamless vendor connections in Nepal via a unified API, simplifying application development.
- Empowered users with a user-friendly dashboard for transaction visibility, report generation, and access control, boosting operational efficiency.
- Enabled real-time transaction monitoring and system analytics through a dedicated dashboard, driving performance optimization and informed decision-making.

4. Platform agnostic log aggregation system.

- Built a queue-based automatic log aggregation system for efficient log processing and storage from diverse applications to various destinations. This ensures comprehensive record-keeping and simplifies report generation.