GAURAV RAJ SHARMA

Kathmandu, Nepal

☎ (+977)9860667795 ✉ gauravrajsharma053

 GauravRajSharma

PROFILE SUMMARY

Dynamic and versatile Full Stack Software Engineer with a proven track record in application design, development, and maintenance. Proficient in a range of technologies, adept at learning and adapting to new tools swiftly. Thrives in collaborative team environments and excels in independent projects

EXPERIENCE

Ultra Tendency International GmbH
Full Stack Software Engineer (*2022-present*)

- Developed a multi-language support web application with dynamic content editing and restructuring features, enhancing user experience.
- Managed Azure services for efficient deployment of the web application, ensuring scalability and availability.
- Resolved production issues with various technologies including Cosmos DB, GitHub Actions, and Azure deployment pipelines, achieving overall stablity of the system.
- Designed the system architecture to optimize content management processes, resulting in easy multi-language content updates.
- Designed and Developed training module for the web application to sell and distribute courses for customers.
- Implemented a training module with integrated payment processing for user convenience.

Kathmandu Metropolitan IT Department and Connect US Pvt. Ltd
Full Stack Software Engineer (*2024 (Freelance)*)

- Designed and developed a comprehensive web application for monitoring IT projects, facilitating efficient issue tracking and resolution.
- Created a unified system enabling vendors and administrators to manage projects, update logs, assign tasks, and verify project statuses.
- Implemented an automatic SMS notification system for deadline reminders and seamless communication between administrators and vendors.
- Streamlined project management by enabling vendors to update logs and provide necessary documentation, while facilitating easy tracking of ongoing projects and deadlines for the IT department.
- Empowered administrators with the capability to generate project reports by vendor, aiding in performance analysis and decision-making.

Bytefaucet Pvt. Ltd
Full Stack Software Engineer + Product Lead (*2022-2024 (Freelance)*)

1. **Weather Visualization Software for Department of Meterology and Hydrology**
   - Managed a team of 7 personnel to design, develop, and deliver visualization software for the Department of Hydrology.
   - Implemented an Automatic Synchronization system with fault tolerance to create a database for daily real-time weather data from all stations nationwide.

- Developed station-wise and interpolated grid-wise visualization of various weather parameters for Nepal.

- Created visualization features for different meteorology metrics derived from recorded weather parameters.

- Designed a Fault Tolerant, fast, and efficient data extraction system to cater to user-specific needs, enabling users to extract large amounts of data in a fast and efficient way.

- Optimized database performance using PostgreSQL and PostGIS, resulting in significantly faster data processing compared to the existing system.

- Engineered the web application for enhanced maintainability and extensibility, including features to generate daily weather reports and different reports for each visualization for all daily weather data for Nepal.

- Implemented a fully automatic quality control system to identify and flag invalid weather data points from different station readings, making it easy to flag invalid values for investigations.

- Established an auto-maintenance system for the project, requiring minimal human intervention, ensuring continuous operation and availability.

- Enabled visualization of large datasets from 1981 to the present and ongoing in a fast and efficient way.

2. **Contract Information Management System**

   - Developed web application to ease the process of gathering, storing and managing government contracts related data with automated alerting.
     Tech Stack: postgreSQL, nodejs, remix.js

Coresoft Integrated Nepal Pvt. Ltd.
System Architect + DevOps Engineer (2021-2022 (Freelance))

- Setup dev, staging, and production environment for each product team on DigitalOcean using Kubernetes.

- Added CI/CD pipelines across dev, staging, and production environments for seamless deployment.

- Supported the team with all infrastructure-related issues, ensuring smooth operation.

- Helped to architect the software, design databases, and create workflows for different product teams.

- Supported the team with queries related to React, React Native, Node.js, Kubernetes, Docker, DigitalOcean, and PostgreSQL.

- Fully managed the infrastructure of multiple projects, ensuring scalability and reliability.

National Disaster Risk Reduction And Management Authority
Frontend Engineer (2021-2022 (Freelance))

- Developed a comprehensive web application to streamline the process of gathering, storing, and managing disaster-related data for the government of Nepal.

- Implemented advanced data management features, such as automated data entry,data updates, and secure data storage, to enhance efficiency and accuracy.

- Integrated payment rollout management functionality into the web application, allowing for seamless coordination and tracking of payments related to disaster management efforts.

Fiberknot Digital Pvt. Ltd
Full Stack Software Engineer (2020-2022 (Full Time))

- **Complete Ecommerce Solutions**

  - Developed numerous ecommerce solutions with latest web-technologies for customers ranging from retail shops to local farms.
    Tech Stack: next.js, strapi, node.js, postgreSQL

- **Automated Accounting and Tax Filling System for Ecommerce Vendors**

– Designed and developing fully automated multi-tenant Accounting and Tax filling system, targeted for digital e-commerce business vendors.
Tech Stack: nodejs, react, docker, postgreSQL, rabbitMQ

Podamibe Pvt. Ltd
Full Stack Junior Software Engineer (*2019-2020 (Full Time)*)

- **Interactive Voice Response System.**

    – Designed and Implemented easily scalable and infinitely configurable Interactive Voice Response system with Subscription Based Payment and analytics.
    Tech Stack: django (analytics and configuration management), nodejs (interaction with low level IVR), react (Control Panel)

- **Subscription based auto-renewal Payment System**

    – Successful designed and implemented auto-renewal subscription system.
    Tech Stack: django, javascript (React), docker, postgreSQL, rabbitMQ

- **General Purpose e-Payment Integration System.**

    – Internal tool for easily integrating mutliple e-payment vendors through single unified API. With added features like user-management, analytics, real-time dashboard
    Tech Stack: django, javascript (React with next.js), docker, postgreSQL

- **Platform agnostic log aggregation system.**

    – Queue-based automatic log aggregation for properly managing and storing logs from different application sources.
    Tech Stack: rabbitMQ, golang, python, docker, postgreSQL

TECHNICAL STRENGTHS

Languages	python, golang, javascript (node and browser), sql
Technologies	typescript, next.js, nest.js, react, react-native, vue.js, django
Tools	git, docker, kubernetes, linux, bash, ngnix, caddy, postgresql

EDUCATION

Kathmandu Engineering College, Kalimati   2015 - 2019
Bachelors in Computer Engineering