Gaurav Poudel

SOFTWARE ENGINEER · BACKEND

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Experience

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Software Engineer | Bengaluru, India | Nov 2025 - Present

- Implemented an **AutoPay** system using cashfree in **Golang**, increasing repeat payment rate from **30% to ~80%** and generating **₹2.4L–₹4.5L** in additional **monthly revenue**.
- Implemented a **scheduled job** in Go to automatically process and update pending user purchases, **improving data consistency** and reducing manual intervention.

Technologies Used: Golang, MySQL, Rabbit MQ, MongoDB, Redis, AWS.

Rock Star Studioz

Software Engineer | Bengaluru, India | Feb. 2025 - Sept. 2025

- Improved WebSocket **response time by 40%** by migrating legacy PHP codebase to Node.js with Socket.IO and Redis.
- Built **CI/CD** pipeline with Azure and GitHub webhooks for AKS, cutting deployment time from **10 to 2 minutes** on average, boosting **efficiency by 80%**.
- Set up end-to-end **Ingress** in **AKS cluster**, using web app routing and integrating **Azure Key Vault** for **TLS certificates**.

Technologies Used: Node.js, Kubernetes, Azure, Redis, Microservices.

Sariska.io

Software Engineer | Remote | Bengaluru, India | Mar 2023 - Feb 2025

- Built pricing service microservice in **Golang** calculating usage for video conferencing, messaging, co-browsing, live streaming, and recording within **1.5 months**. Exposed API **Prometheus metrics** and created **Grafana** dashboard for monitoring.
- Integrated **HashiCorp Vault** into a kubernetes cluster using Helm, ArgoCD, and Terraform with GCS backend, **eliminating 100%** of hardcoded secrets across microservices. LINK
- Reduced node waiting time by **2-3 minutes**, resulting in **improved latency** for end-users, through introducing pod priority and preemption in Kubernetes configuration. LINK
- Migrated RDS instances from **AWS to GCP** using **Terraform** for automated infrastructure provisioning and seamless data migration, cutting setup time from **1 hour to under 1 minute**.
- Delivered Android applications in Flutter demonstrating comprehensive **SDK integration** and real-world implementation.
- Deployed ArgoCD for Continuous Deployment in Kubernetes, **reducing deployment errors by 60%** and streamlining application delivery.

Technologies Used: Golang, Java, Node.js, Flutter, Kubernetes, PostgreSQL, AWS, GCP, Argo CD, Helm.

Thulo Technology

Flutter Developer | Intern | Pokhara, Nepal | Nov 2021 - Jan 2022

- Created HTML editor application UI with intuitive user experience.
- Developed **examination app** achieving **100K+ downloads** on Play Store. LINK
- Designed responsive app interfaces for book reading platform and Python script execution tool.

Technologies Used: Flutter, WordPress, Adobe XD.

Education

B.Sc. (Hons) in Computing | Oct 2019 – Nov 2022

Informatics College Pokhara, **London Metropolitan University** | Secured **First Class Honors** Degree.

Project

Crowdfund Application

Project Repo: LINK | **April 2025 - Present** | **Java**, **Spring Boot**, Spring Security, Hibernate, WebSocket, AWS, PostgreSQL, **Kafka**

- Created backend APIs enabling campaign owners to **create/draft** campaigns.
- Implemented **Stripe** payment integration allowing donors to contribute to campaigns with personalized support messages.
- Deployed **Kafka** and **web sockets** for real-time donor tracking and automated **notifications** to campaign owners.
- Developed **pagination, searching, and sorting** features with dynamic messaging for optimized campaign and donor data retrieval.
- Configured automated **image upload** service for user profiles and campaign media to **AWS S3 bucket**.

Skills

Programming	**Java** (Fluent), Golang (Prior Experience), JavaScript (Prior Experience)
Back-end	**Node.js** (Prior Experience), Spring Boot (Prior Experience), REST APIs, Microservices architecture, Git
DevOps	**Kubernetes** (Prior Experience), **Docker** (Prior Experience), Helm, Terraform, Grafana, Prometheus, **AWS**, **GCP**, Jenkins
Front-end	Flutter (Fluent), HTML and CSS (Prior Experience)
Databases	**PostgreSQL** (Fluent), MySQL (Prior Experience), MongoDB, Redis (Prior Experience)