

Kabir Man Singh

Backend Developer

kavirmansingh7@gmail.com | 9840257890 | Khushibu, Kathmandu | [LinkedIn](#) | [GitHub](#)

SUMMARY

Backend Developer with 2 years of experience building scalable Java/Spring Boot applications for government and enterprise platforms. Specialized in RESTful API development, asynchronous messaging with RabbitMQ, and database optimization using MyBatis, Liquibase, and PostgreSQL. Played a key role in delivering production features for Shramsansar, Nepal's national labor portal, supporting 1000+ concurrent users. Experienced in microservices architecture, third-party integrations (OAuth, Firebase, AWS SES), and AI-powered features using LLMs.

EXPERIENCE

Varosa Technology

Java Developer

07/2025 – Present
Anamnagar, Kathmandu

Projects: [Shramsansar](#), [CloudColleague](#)

- Designed and implemented core database schemas, ensuring zero-downtime migrations across environments for high-traffic platforms.
- Built and optimized RESTful APIs and RabbitMQ message queues supporting long-running tasks and workflow operations for 100K+ total users.
- Improved backend response times through query optimization using CTEs and materialized views, along with service-layer refactoring, resulting in measurable reductions in API latency.
- Designed and maintained high-performance REST APIs powering core business logic, with database schemas optimized using MyBatis and Query Builder, and all schema versioning managed via Liquibase.
- Built asynchronous notification and transactional email pipelines using RabbitMQ, integrating Firebase for event-driven push notifications and AWS SES/SMTP for reliable transactional email delivery.
- Integrated Google OAuth2 and Apple OAuth2 login, enabling secure and frictionless third-party authentication for end users.
- Contributed to an AI-powered CV builder feature, developing backend logic for LLM-based CV content generation, including prompt engineering, response parsing, and API integration.
- Collaborated closely with frontend, QA, and DevOps teams to deliver reliable, maintainable backend architecture aligned with government system requirements.

Coderuple Technology

Full-Stack Developer (Java & Flutter)

08/2024 – 07/2025
Sanepa, Lalitpur

- Designed scalable database schemas from the ground up with Liquibase, ensuring safe and reversible migrations in a production environment.
- Built resilient Spring Boot microservices leveraging SAGA pattern using RabbitMQ for interservice communication.
- Resolved complex bugs and scheduling issues to ensure high data consistency and stability.
- Developed a full Flutter mobile application with eSewa payment gateway integration, navigating complex payment flow requirements.
- Implemented biometric authentication (fingerprint and facial recognition) in the Flutter app, significantly enhancing user account security.
- Boosted mobile app performance using Hive-based caching strategies and implemented dynamic feature flags via Firebase Remote Config.
- Successfully delivered a comprehensive full-stack solution encompassing both backend APIs and mobile UI, leveraging close cross-functional teamwork to meet all project milestones on schedule.

F1Soft International Pvt. Ltd.

Flutter Developer Intern

05/2024 – 08/2024
Pulchowk, Lalitpur

- Developed and maintained cross-platform Android apps using Flutter, integrating APIs and Firebase services (Authentication, Remote Config) with efficient state management using Riverpod.
- Optimized app performance through caching strategies with Hive and implemented dynamic feature management via Firebase Remote Config.
- Collaborated in Agile teams, participating in sprint planning, code reviews, and feature development.

EDUCATION

Islington College, London Metropolitan University <i>Master of Science in Computer Information Technology (Artificial Intelligence)</i>	2024 – Expected 2026
National College of Computer Studies <i>Bachelor of Science in Computer Science and Information Technology</i>	2019 – 2023

SKILLS

Languages Java (primary), JavaScript, Python (Data Science), C++, Dart	Frameworks & Architecture Spring Boot, Spring MVC, Spring Security, Microservices (SAGA), Flutter, Django
Databases & Layering PostgreSQL, MySQL, MyBatis, Liquibase (Schema Design & Migrations)	Devops & Tools Docker, Git, Postman, AWS (SES)
Messaging & Integration RabbitMQ, RESTful APIs, JWT, STOMP, WebSockets, Firebase	

PROJECTS

EMhicha <i>Java Backend & Flutter Developer</i>
- Designed and deployed a full-stack, event-driven e-wallet microservices ecosystem using Spring Boot, PostgreSQL, and RabbitMQ. - Streamlined QR-based peer-to-peer payments and asynchronous bill splitting by replacing synchronous API bottlenecks with robust event-driven message queues. - Demonstrated advanced systems architecture capability by managing independent microservice lifecycles, fault-tolerant message routing, and distributed JWT security.