

# Bishan Rasaili

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## SUMMARY

Backend & Cloud Engineer with 4 years of experience building scalable **microservices**, **REST/gRPC APIs**, and cloud-native systems using **Go**, **Java**, **AWS**, **Docker**, and **Kubernetes**. Strong background in distributed systems, **CI/CD** automation, and **SQL/NoSQL** database optimization. Currently completing an **MS in Computer Science** (Dec 2025). Seeking full-time Backend or Software Engineer roles to contribute to high-performance system development.

## WORK EXPERIENCE

Backend Developer | Scodus Innovations Pvt. Ltd - Kathmandu, Nepal

Feb. 2022 - Nov. 2023

- Built **microservices** using **Go** and **gRPC**, reducing API latency by **40%**.
- Implemented cloud-native **CI/CD pipelines** using **GitHub Actions** and **AWS ECR/ECS**, automating **Dockerized** microservice deployments and reducing release time by **60%**.
- Implemented asynchronous communication using **RabbitMQ** and scheduled background jobs with **CronJob** to improve system scalability and reliability.
- Improved backend reliability by optimizing database queries, schema design, and authentication/authorization workflows.

Java Developer | IshaniTech - Lalitpur, Nepal

Jan. 2020 - Feb. 2022

- Developed and maintained **Spring Boot** applications with **RESTful APIs**, improving response times by **40%** under peak load.
- Integrated backend APIs with **AJAX** and **jQuery** to deliver dynamic UI interactions and improve responsiveness in customer-facing modules.
- Optimized **SQL** queries and **Hibernate ORM** mappings, achieving a **35%** increase in query speed.
- Conducted code reviews, improved performance, and implemented testing frameworks such as **JUnit** and **TestNG** in an Agile environment.

## EDUCATION

Saginaw Valley State University, Michigan, USA

Jan. 2024 - Dec. 2025

Master of Science in Computer Science & Information Systems (MS-CSIS)

Pokhara University, Cosmos College, Nepal

Sep. 2017 - Aug. 2022

Bachelor of Engineering in Computer Engineering (BCE)

Cumulative GPA: 3.71 / 4.00

## TECHNICAL SKILLS

**Languages:** Go, Java, Python, SQL, JavaScript

**Backend Frameworks:** Gin, Spring Boot, Django, gRPC, REST APIs, Microservices, RabbitMQ

**Cloud & DevOps:** AWS (ECS, S3, Lambda), Google Cloud, Docker, Kubernetes, CI/CD Pipelines

**Databases:** PostgreSQL, MySQL, SQLite, NoSQL

**Tools & Platforms:** GitHub, Linux, Postman, VS Code, Agile/Scrum

## PERSONAL PROJECTS

**Transaction Centralization** – Flutter, Go, GORM, MySQL, JWT – *Personal Side Project* – 2021

- Cross-platform mobile app aggregating financial transactions across banking, PSPs, and e-commerce platforms into a unified dashboard.

**Smart To-Do List** – Python, Django, SQLite, Bootstrap, JavaScript – *Academic Project* – 2025

- Task-management web app with user authentication, CRUD operations, sorting, profile updates, email reminders (SMTP), and responsive UI with light/dark mode.

**Chat System** – Go, PostgreSQL, Docker, WebSocket – *Personal Side Project* – 2023

- Real-time 1-on-1 messaging platform supporting delivery receipts, message editing/deletion, and low-latency WebSocket communication deployed in Docker containers.

**Web-Scraping System** – Go, PostgreSQL, Docker, Gin, GORM, JWT – *Personal Side Project* – 2022

- Containerized scraping platform enabling authenticated users to scrape websites, store/query data, and achieve **99.9% uptime** with **35% faster scrape times** via optimized resource usage.