

# Bishan Rasaili

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**Work Authorization:** Authorized to work in the U.S. for any employer — No sponsorship required.

## PROFESSIONAL SUMMARY

Software Engineer (MS-CSIS) with 4+ years of experience building secure, scalable web applications and distributed systems using **Java, Go, and Python**. Strong background in designing REST/gRPC APIs, microservices, and cloud-native solutions using **Spring Boot, Docker, and AWS**. Proven track record of delivering high-impact solutions that improve system efficiency, automate workflows, and enhance user accessibility for high-growth engineering teams.

## TECHNICAL SKILLS

**Languages:** Java, Go (Golang), Python, SQL, JavaScript

**Backend/Frameworks:** Spring Boot, Django, REST APIs, gRPC, Microservices, Hibernate, Spring Data JPA, RabbitMQ

**Frontend:** HTML5, CSS3, JavaScript, jQuery, AJAX

**Cloud & DevOps:** Linux, Docker, Kubernetes, GitHub Actions, CI/CD, AWS (EC2, S3, Elastic BeanStalk, IAM)

**Databases:** PostgreSQL, MySQL, Microsoft SQL Server, NoSQL, Redis

**Tools & Testing:** Git, Bitbucket, Postman, Unit/Integration Testing, TDD, JUnit, Mockito, Agile/Scrum, SDLC

## WORK EXPERIENCE

### Scodus Innovations

Kathmandu, Nepal

Backend Developer

02/2022-11/2023

- Architected scalable **multi-tenant SaaS microservices** using **Go/Golang** and **gRPC**, enabling secure employee management workflows while reducing inter-service latency by **40%**.
- Implemented fine-grained, scope-based authorization using **gRPC interceptors**, enforcing endpoint-level access control and strengthening secure tenant isolation across distributed systems.
- Engineered asynchronous event-driven workflows using **RabbitMQ**, supporting **10k+** concurrent events and improving reliability for high-volume backend operations.
- Automated **CI/CD pipelines** with **Docker** and **GitHub Actions**, streamlining deployments, reducing manual release effort by **~60%**, and improving system stability.

### Ishani Technology

Lalitpur, Nepal

Java Developer

01/2020-02/2022

- Developed a full-stack civic registration system serving **26,000+** residents, building RESTful APIs using **Spring Boot** and **Spring Data JPA**, improving backend throughput by **~40%**.
- Optimized database performance through **Hibernate ORM** tuning and SQL schema design, increasing query speed by **~35%** and ensuring efficient processing of high-volume civic records.
- Built a **bilingual** (English/Nepali) user interface using HTML, CSS, JavaScript (jQuery, AJAX), and Thymeleaf, improving accessibility and enhancing UI responsiveness by **~25%** through optimized API integration.
- Automated comprehensive unit testing suites using **JUnit**, reducing production bug reports by **20%** and increasing code coverage within **Agile** development cycles.

## PROJECTS

**GiveBride (Fundraising Platform)** | [GitHub](#) | *Java, Spring Boot, PostgreSQL, Docker, GitHub Actions*

- Developed a full-stack crowdfunding platform using **Spring Boot**, containerizing the application using **Docker** and automating build, test, and deployment pipelines using **GitHub Actions** for **CI/CD**.

**Real-Time Chat System** | [GitHub](#) | *Go, WebSocket, PostgreSQL, Docker*

- Built a low-latency, 1-on-1 messaging platform in **Go** using **WebSockets** and **Docker**, implementing message persistence with PostgreSQL and real-time delivery receipts, achieving an **average message latency of <50ms**.

**Cloud-Native API Deployment** | [GitHub](#) | *Django, AWS (Elastic Beanstalk, EC2, S3, IAM)*

- Architected and deployed a cloud-native **REST API** on **AWS Elastic Beanstalk**, integrating **S3** for cloud storage and configuring **IAM** roles with least-privilege security policies to manage **EC2-based** infrastructure.

## EDUCATION

**Saginaw Valley State University** | Saginaw, Michigan

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

01/2024-12/2025

**Pokhara University, Cosmos College** | Lalitpur, Nepal

Bachelor of Engineering in Computer Engineering (BCE)

09/2017-08/2022

**Spoken Languages:** Fluent in English, Hindi, Nepali