Bishan Rasaili

Holly, MI 48442

bishanras99@gmail.com ● github.com/bishan20 ● linkedin.com/in/bishan20 ● bishanrasaili.com

Work Authorization: Authorized to work in the U.S. — no employer sponsorship required.

PROFESSIONAL SUMMARY

Software Engineer (MS-CSIS) with 4+ years of experience designing scalable, high-performance microservices and REST/gRPC APIs using **Go, Java, and Python**. Proven expertise in optimizing **AWS** infrastructure and automating **CI/CD pipelines** to boost deployment velocity. Delivered reliable, distributed systems that improved system uptime and accelerated release cycles for high-growth engineering teams.

TECHNICAL SKILLS

Languages: Go (Golang), Java, Python, SQL, C#, JavaScript
Backend Frameworks: Spring Boot, Django, .NET, REST & gRPC APIs, GraphQL, Microservices, Cron, RabbitMQ
Cloud & DevOps: Docker, Kubernetes, GitHub Actions, CI/CD, AWS (EC2, S3, Elastic BeanStalk, IAM), Linux
Databases: PostgreSQL, MySQL, Microsoft SQL Server, NoSQL, Redis
Tools & Platforms: Git, Bitbucket, Postman, Agile/Scrum, Unit Testing

WORK EXPERIENCE

Scodus Innovations   Kathmandu, Nepal
Backend Developer   02/2022-11/2023
- Engineered high-performance, enterprise-level microservices using **Go and gRPC**, achieving a **40% reduction in API latency** for core service communications.
- Architected **CI/CD pipelines** using GitHub Actions and Docker, automating deployments to container registries and reducing manual release overhead by **60%.**
- Implemented **RabbitMQ** for asynchronous message processing to decouple microservices, handling **10k+ concurrent events** without degradation, and increasing system throughput and fault tolerance.
- Improved backend stability and data retrieval speeds by optimizing complex **PostgreSQL** queries and refining schema designs to eliminate database bottlenecks.

IshaniTech   Lalitpur, Nepal
Java Developer   01/2020-02/2022
- Developed scalable **Spring Boot** applications and RESTful APIs deployed in cloud-hosted environments, optimizing server-side throughput by **40%** and maintaining **99.9% uptime** during peak traffic loads.
- Increased database query speed by **35%** using **Hibernate ORM** tuning and SQL schema optimizations to resolve data retrieval bottlenecks.
- Enhanced UI responsiveness by **25%** by integrating backend APIs with **JavaScript and jQuery**, streamlining data flow between client-side modules and cloud-hosted services.
- Automated comprehensive unit testing suites using **JUnit**, reducing production bug reports by **20%** and increasing code coverage within an agile team.

PROJECTS

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 **Django REST API** on **AWS Elastic Beanstalk**, configuring **S3** for cloud storage and implementing **IAM** roles with least-privilege security policies to manage **EC2** infrastructure.

Web-Scraping & Data Pipeline | GitHub | Go, Gin, GORM, JWT, PostgreSQL, Docker
- Engineered a containerized data ingestion platform using **Go** worker pools and **goroutines** to improve scraping throughput by **35%**, implementing **JWT-based authentication** and maintaining **99.9%** system uptime.

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