

Rishab Karki

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SUMMARY

Computer Science student with practical experience in backend development, frontend development, system administration, and server deployment. Passionate about building reliable & clean Software with Go, TypeScript, Rust and Java. Seeking entry level opportunities to apply my hands-on technical skills in a collaborative environment.

EDUCATION

Trinity International SS & College Dillibazar, Kathmandu
Bachelor of Science in Computer Science and Information Technology 2024 — 2028
• Currently enrolled (Expected graduation: 2028)

Trinity International SS & College Dillibazar, Kathmandu
+2 (NEB) in Science Stream with 3.52 GPA 2022 — 2024

PROJECTS

User Authentication (Go) (github.com/ryszhio/goauth) May 2025
• Built an authentication backend service using Go
• Utilized GoFiber as the framework for backend
• Utilized GORM for Object-Relation Mapping
• Utilized GORM postgres driver to save data
• Implemented JWT for session management
• Secured end points with middleware

CLI Todo List (Go) (github.com/ryszhio/clitodo) May 2025
• Developed a CLI based todo list as first Go Project
• Applied concept of internal package
• Utilized **cobra** as the framework

Personal Portfolio (github.com/ryszhio/portfolio) May 2025
• Built personal portoflio using Next.js
• Deployed Next.js app in vercel

Currency Converter CLI (Rust) (github.com/ryszhio/currency-converter) March 2025
• Developed a CLI-based currency converter as a first **Rust** project
• Applied concepts of **ownership**, **borrowing**, and **async programming**
• Utilized **request** for HTTP requests and **serde_json** for JSON parsing

Employment Management API (Java) (github.com/ryszhio/employment-management) February 2025
• Built RESTful API using the **Spring Framework**
• Implemented data handling with **Spring JPA** and **PostgreSQL**
• Secured endpoints and enabled CORS using **Spring Security**
• Handled exceptions by extending **RuntimeException**
• Followed MVC architecture with **services, controllers, and repositories**

Led Developer, Self Hosted Game-Server Deployment (lsgamerz.net | lsgamerz.com) August 2021 - Present
• Deployed and managed **Counter-Strike** servers on VDS platforms (OVHCloud, NFOServers) using Ubuntu
• Handled server migrations, firewall rules **iptables**, and network traffic monitoring **Wireshark**
• Automated backups with a Rust Program; managed MySQL for in-game data
• Deployed Pterodactyl panel for server management and maintained game modes using **AMXMODX**
• Hosted and secured websites using NGINX, PHP, Cerbot & Cloudflare

SKILLS

• **Languages:** Go, Rust, TypeScript, JavaScript, Java

- **Frameworks:** GoFiber, Chi, React, Next.js, Spring
- **Version Control:** Git, GitHub
- **Web Servers:** NGINX, Apache, Caddy
- **Operating Systems:** Arch Linux (primary), Ubuntu
- **Containerization:** Docker, Kubernetes
- **Cloud Platforms:** Bare-metal VDS (OVHCloud, NFOServers)