Evan Sunde | Software Engineer | Backend & Systems

Kathmandu, Nepal

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Executive Summary

Backend Software Engineer with strong expertise in distributed systems, microservices architecture, and cloud infrastructure (K8s). Proficient in Go and C++ with a focus on high-concurrency systems, low-level optimization, and strict security compliance (RBAC/Vault).

Technical Skills

- **Languages:** Go (Golang), Python, C++, TypeScript/Node.js, SQL.

- **Backend:** Microservices, GraphQL (Gateway), gRPC, REST, Redis, Postgres.

- **Infrastructure:** Kubernetes (K3s), Docker, AWS, HashiCorp Vault, Linux (Arch), Traefik.

- **Tools & CI/CD:** Git, GitHub Actions, Kustomize, MediaPipe, WebRTC.

Professional Experience

Nephara   **Kathmandu**

Software Engineer – Backend & Infrastructure   *2023 – Present*

- **Architecture & Scale:** Architected the core backend for an HR & Payroll platform using **Go microservices**. Designed a custom **GraphQL gateway** to handle high-concurrency traffic across 15+ business modules.

- **Reliability & Accuracy:** Engineered a fault-tolerant payroll engine using **atomic SQL transactions (NoORM)**, ensuring 100% financial accuracy and strict ACID compliance for enterprise clients.

- **Infrastructure/DevOps:** Reduced deployment latency by orchestrating a containerized environment using **K3s (Kubernetes)**, Traefik, and Kustomize, achieving seamless dev-prod parity.

- **Security:** Implemented enterprise-grade security using **HashiCorp Vault** for secret management and granular RBAC for multi-tenant data isolation.

- **Developer Experience:** Developed internal Go libraries (Auth, Logger) that standardized development patterns, reducing code duplication by 40% across the engineering team.

Independent Consultant   **Remote**

Software Engineer (Contract)   *2022 – 2023*

- **Telemedicine Platform:** Built and shipped a secure video consultation platform using **Node.js and WebRTC**, enabling international HD video calls for healthcare providers.

- **AI Solutions:** Developed a voice-responsive therapy agent on AWS, leveraging NLP algorithms for real-time interaction.

Key Technical Projects

Personal Project

Custom Lighting Engine   *C++, Hardware, Low-Level Optimization*

- Reverse-engineered hardware protocols to build a high-performance lighting engine in **C++**.

- Optimized for extreme efficiency, processing complex visual algorithms on less than **0.5% CPU usage**.

Personal Project

Real-Time AI Phone Agent   *Python, Twilio, Voice AI*

- Built a low-latency server handling concurrent bi-directional voice conversations with human-like fluency.

- Optimized the architecture to handle multiple simultaneous calls on a single instance while maintaining unique conversation contexts.

- **Demo:** View Project Demo on LinkedIn

Education

Tribhuvan University **Kathmandu**

B.Sc. CSIT
Focus: Database Systems, Artificial Intelligence, Theory of Computation