Addis Ababa, Ethiopia
+251985238465
xoyosi19@gmail.com
github.com/Yosi-HQ
linkedin.com/in/yosihq
yosihq.dev

Eyosiyas Eyasu

Go Backend Developer & Security Researcher

PROFILE

Go backend developer and security researcher who builds scalable, secure, high-concurrency systems. Core backend engineer on Hibir, a production cybersecurity operations platform at Ethiopia's Information Network Security Administration, and previously a full-time backend engineer at Synheart AI (Canada), building the Synheart CLI and ZenCode on the Human State Interface. Strong in concurrency, gRPC and REST API design, PostgreSQL and Redis, and clean architecture, with an offensive-security background in exploit research, WAFs and fuzzing.

EXPERIENCE

Backend Engineer · Synheart AI
May 2026 — Sep 2026

Canada · Remote

- Full-time backend engineer on the Human State Interface (HSI), Synheart's open standard for representing human-state signals such as focus, stress and recovery across devices, privacy-first and on-device.
- Built the Synheart CLI in Go, a mock-data generator and broadcaster that streams realistic HSI-compatible sensor data over WebSockets, with multiple scenarios, record/replay and deterministic seeds, so SDK teams can develop without physical wearables.
- Built ZenCode, an adaptive VS Code extension driven by HSI signals that quiets the editor during deep focus, breaks stalled tasks into startable steps, warns before hyperfixation burnout and re-ranks work when capacity drops.
- Built showcase applications on HSI, including SynHome, a smart-home orchestrator that holds back notifications and drives ambient lighting based on the user's state.

`GO · WEBSOCKETS · FLUTTER · KOTLIN · TYPESCRIPT`

Go Backend Developer · Information Network Security Administration (INSA)
Jan 2025 — Present

Addis Ababa, Ethiopia

- Core backend engineer on Hibir (hibir.et), a cybersecurity operations platform built at INSA that connects organisations with security firms, live in production since February 2026.
- Built Go services across the full engagement lifecycle: service requests and proposals, pentest execution with methodologies, test cases and issue tracking, reporting, and public certificate verification by ID or QR.
- Unified vulnerability intelligence (CVE, CWE, CAPEC, CPE and public exploits) and multi-tool data imports into a single platform.
- Architected and scaled mission-critical microservices for a national initiative serving millions of users, with pipelines handling 2,000+ requests per second.
- Cut response times by 35% with gRPC communication and caching while sustaining 99.9% uptime; conducted exploit research to secure sensitive national infrastructure.

`GO · GRPC · POSTGRESQL · REDIS · GORM · DOCKER`

Go Backend Developer · Unity Link Solutions
Jan 2025 — Feb 2025

Addis Ababa, Ethiopia

- Built backend services in Go for a client platform, structured as a feature-modular monolith with clear domain boundaries.
- Designed REST endpoints documented with OpenAPI/Swagger and shipped them in Docker containers.

`GO · POSTGRESQL · OPENAPI · DOCKER`

PROJECTS

Abyshield — Web Application Firewall
Dec 2023

A WAF engineered from scratch in Go: a custom reverse-proxy engine inspecting Layer 7 traffic in real time, mitigating OWASP Top 10 threats like SQLi and XSS with signature matching and behavioural analysis at 5,000+ req/s with sub-millisecond latency.

Detectify — Web Integrity Monitor
2024

A distributed integrity monitor in Go that detects unauthorised changes to web assets using DOM-tree structural analysis and SHA-256 checksums (99.9% detection accuracy), with a goroutine-based polling engine that cut detection time from minutes to seconds.

Vulnerability Intelligence Platform
2025

Ingests, enriches and serves CVE, CPE, CWE and CAPEC data through a single queryable API, built as a modular fetch → process → store pipeline in Go and PostgreSQL.

go-backend-kit — Open Source
2026

Reusable infrastructure for Go services: typed config, slog logging, PostgreSQL/GORM, Redis, JWT auth, Gin middleware, OpenTelemetry traces, Prometheus metrics and graceful server lifecycles.

SKILLS

Languages	Go, TypeScript, Python, C, SQL, Shell
Concurrency	Goroutines, Channels, sync primitives, context, Worker pools, Pipelines
APIs	gRPC & Protobuf, REST design, WebSockets, OpenAPI / Swagger, Webhooks
Data	PostgreSQL, Redis, GORM, pgx, Query tuning, Migrations
Architecture	Hexagonal, DDD, Microservices, Modular monoliths, Multi-tenancy
Security & Ops	WAFs & OWASP, Exploit research, Fuzzing, Docker, OpenTelemetry, Prometheus

CERTIFICATIONS

- Google Cybersecurity Professional Certificate
- Cisco CCNA: Switching, Routing & Wireless Essentials
- CyberTalents — Cybersecurity
- Cisco CCNA: Introduction to Networks
- Cisco CCNA: Enterprise Networking, Security & Automation
- Addis TeenCode Hackathon — Accomplishment

EDUCATION

Software Engineering Programme · ALX Africa — 2021 — 2024