

Harsh Vardhan Goswami

me@iamharsh.dev github.com/theboringhumane hakopod.com synehq.com

I build backend systems and the products around them. My work spans deployment platforms, data infrastructure and LLM applications. I'm building Hakopod and SyneHQ. I also helped Narstri launch its first health AI product and created boring.notch, an open-source macOS app with over 2.2 million release downloads.

SELECTED ENGINEERING WORK

Hakopod

Current

Builder & lead contributor · Open-source application platform

- Built a Go control plane with durable PostgreSQL queues, revision checks and idempotent retries so deployments can resume after client disconnects and service restarts.
- Implemented Kubernetes service isolation, private networking and rolling deployments, with failed-release recovery workflows and an auditable rollback history.
- Added database provisioning and recovery workflows using native operators, scoped credentials, verified TLS connections and separate restore targets.

SyneHQ

Current

Founder & core engineer · AI analytics and data infrastructure

- Built an LLM analytics workspace using database schemas and business definitions as context. Users can inspect the generated SQL and approve selected agent actions before they run.
- Built Kelvo, a Go analytics gateway with DuckDB federation, now in developer preview. Designed durable jobs with NATS JetStream, isolated query processes and Arrow results over mTLS.
- Built Rabbit, an open-source Go TCP tunnel with persistent port assignments and reconnect support, to connect private databases to the platform.
- Built Lumen, a Go telemetry service with tenant isolation and HTTP/2 ingestion, using PostgreSQL for accounts and API keys and ClickHouse for event and session analytics.

NarStri Health Technologies

One-year engagement

Founding Engineer · Health AI

- Helped launch the first version of a health AI product, connecting wearable data with analysis of longevity markers.
- Owned the customer-facing product: designed WhatsApp card flows and deep links across the experience, and handled wearable integrations in the Flutter mobile app.

boring.notch

Created August 2024

Creator · Native macOS · Swift, SwiftUI, AppKit

- Created an open-source app that turns the MacBook notch into a home for music controls and everyday tools. Reached **10.9K GitHub stars and 2.2M+ GitHub release downloads**.
- Built the original app in Swift and SwiftUI, then developed it with an open-source contributor community.

SELECTED ENGINEERING WORK (CONTINUED)

Xem

xem.email

Founder & product engineer · Open-source email infrastructure

- Built an email platform in Go for campaigns, automations and SMTP delivery, backed by PostgreSQL and Redis/Asynq workers.
- Built managed sending on Amazon SES with a PostgreSQL outbox, suppression checks and bounce handling; tracked uncertain sends separately to avoid blind retries.

PROFESSIONAL EXPERIENCE

CodeMarks Enterprises

Dec 2023 - Sep 2026

Senior Full Stack Developer · Bengaluru, India

- Led backend and payment-rail engineering for Zunofy, covering multi-currency accounts, transfers, KYC/AML integrations and card workflows.
- Built backend services, React/Next.js web applications and Flutter mobile features.
- Moved services to a Docker and AWS microservices setup and handled code reviews, performance work and production reliability.

Wealth I/O · Purple Rocket Technologies

Jan 2022 - Nov 2023

Lead Engineer · Virginia, USA

- Built AI-assisted tools for lead capture, prospect analysis and follow-ups, including the Anna assistant using FastAPI, LangChain and MongoDB.
- Built Go/TypeScript data ingestion and CRM integrations, plus Stripe subscriptions in NestJS.
- Ran AWS infrastructure, added Grafana and Prometheus monitoring, and tested service behaviour under load with k6 and JMeter.

EPYC ThoughtWorks

Jun 2020 - Dec 2021

Frontend Web Developer · New Delhi, India

- Built Nuxt applications with search, maps and custom-domain support, including automated SSL through Nginx and Lua.
- Led delivery of a nutritionist platform for appointments, diet plans and PDF generation; maintained it independently for a year after leaving.

TECHNICAL SKILLS

Backend	Go, Python, TypeScript, SQL · FastAPI, Django, Node.js, NestJS · REST, gRPC, WebSockets
Systems & data	PostgreSQL, Redis, ClickHouse, DuckDB, MongoDB, NATS JetStream · Durable queues, idempotency, reconciliation, multi-tenancy, TCP networking
Platform	Kubernetes/K3s, Docker, AWS, HAProxy, Nginx · CI/CD, rollout recovery, Grafana, Prometheus
AI & product	LLM integration, RAG, LangChain, LangGraph, MCP, semantic models, SQL/Python execution · React, Next.js, Swift/SwiftUI, Flutter

EDUCATION

Indian Institute of Technology Guwahati

2023 - 2027 expected

Honours degree in Artificial Intelligence · In progress

Indira Gandhi National Open University

2022 - 2025

Bachelor of Computer Applications