

KHALISA AMANDA SIFA GHAIZANI

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SUMMARY

Computer Science student with hands-on software engineering experience building backend and cloud-native systems using Go, Kubernetes, PostgreSQL, Kafka, and distributed infrastructure. Experienced in AI/LLM serving, observability, and scalable backend systems.

EDUCATION

BINA NUSANTARA UNIVERSITY 2024–2028

Computer Science, School of Computer Science (GPA: 3.64)

PROFESSIONAL EXPERIENCES

PT Data Awan Nusantara (ioNext)

Software Engineer Intern (July 2025 – June 2026)

- Worked on an LLM inference gateway using Envoy AI Gateway, Envoy Gateway, KServe, and vLLM, including request routing, authentication, and observability.
- Investigated and benchmarked backend infrastructure and distributed-system components, including database/concurrency approaches for high-throughput workloads.
- Developed backend services using Go, PostgreSQL, Redis, Kafka, and Kubernetes, supporting model serving and RBAC.
- Spearheaded observability pipelines using OpenTelemetry, Grafana, and VictoriaMetrics to monitor inference and platform services.

PT MINI TEKNOLOGI INOVASI

Software Engineer Intern (March 2024 – May 2024)

- Built core features for a Google Docs–like platform tailored for academic writing, enabling users to customize font styles, sizes, and color schemes in real time to meet publication standards.
- Developed a metadata management interface that lets users add and edit key academic information in a consistent manner.
- Collaborated with teams in an Agile environment to deliver features.

PROJECTS

Utility-Aware LLM Scheduler Research (2026)

- Investigated scheduling strategies for concurrent LLM requests using priority, estimated utility, output-token length, and prediction uncertainty.
- Developed an evaluation framework comparing scheduling policies under different workload conditions, including bursty and concurrent request patterns.

ACHIEVEMENTS

- **First-Runner Up Asia Pacific ICT Award in Taiwan (2025)** – By APICTA
- **Top 5 Finalist of Innovation Competition (2025)** – By Arizona State University
- **1st Runner-Up Novice Category Open Debate Competition (2023)** – By EEC UNILA

SKILLS

Languages: Go, Python, TypeScript, JavaScript, C++, SQL

Backend: PostgreSQL, Redis, Kafka, SpiceDB

Cloud & Infrastructure: Kubernetes, Helm, OpenStack, KServe, vLLM, Envoy, Terraform, Ansible

Observability: OpenTelemetry, Prometheus, Grafana, VictoriaMetrics

Frontend: Next.js, React, Tailwind CSS

Tools: Git, Docker, Linux