Muhammad Ilham

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Jakarta (UTC+7). Overlaps CET working hours. Remote contract or EOR; open to relocation with visa sponsorship.

Summary

Backend engineer working mostly in Go on event-driven systems, with 6 years across fintech and esports. At PGL Esports I help run the backend that carried The International 2026 Open Qualifier: 256 simultaneous matches and 2,500+ concurrent players. I write code like I'll still be the one maintaining it in five years.

Work Experience

Software Developer Oct 2025 — Present
PGL Esports *Bucharest, Romania (Remote)*

- Load-tested the API and real-time layer with 5,000 k6 virtual users, about twice the real player count, before The International 2026 Open Qualifier; monitored it live in Grafana.
- On my own initiative, cut players' wait after veto from 5-10 minutes to near-instant by warming CS2 servers early.
- Built the CS2 match rules catalog end-to-end: Go service, React/TypeScript admin UI, C# plugin.
- Fixed a real-time outage at the qualifier: hotfix in about an hour, root-cause fix before the first match.

Middle Backend Engineer Apr 2023 — Jan 2025
AnyMind Group *Tokyo, Japan (Remote)*

- Designed event-driven order sync across Rakuten, Shopee, and Shopify on Google Cloud Pub/Sub. Fixed out-of-order processing with ordering keys (by order ID) for 100K+ monthly orders.
- Led a Go microservices refactor to 85%+ test coverage, checking business logic with the tech lead and PM.
- Ran Go microservices on Kubernetes, with gRPC and Protobuf as the shared contract across teams.

Backend Engineer Aug 2021 — Mar 2023
Amartha *Jakarta, Indonesia (Remote)*

- Cut API latency by 90% (about 2s to under 200ms) with concurrent goroutines on a high-traffic endpoint.
- Built an event-driven portfolio service: page loads from over 30s to under 200ms (Pub/Sub, batching, Redis).
- Built reconciliation for ops (1,000+ transactions/day): T24 vs Mandiri, BRI and BCA statements, flagging gaps.
- Built an SSO service (Keycloak, OAuth2/OIDC, KrakenD) for ~100K users, with RBAC and central JWT validation.

Backend Engineer Apr 2020 — Jul 2021
KlikACC *Jakarta, Indonesia*

- Integrated Privy digital signatures: signing went from officers driving hours to each lender to instant online signing.
- Built the Go backend for a branch office app (clock-in/out, BPKB intake) with 90% unit test coverage.

Projects

Tokokarya (tokokarya.my.id) Jan 2025 — Present

- Multi-tenant commerce platform (pre-launch) in Go, Next.js, PostgreSQL, and NATS. Integrated four payment gateways (Xendit, Midtrans, DOKU, DurianPay) with signed webhooks and idempotent status updates.

Software Developer, EngageRocket Feb 2022 — Oct 2022

- Migrated a Ruby on Rails monolith to Go microservices on AWS Lambda and API Gateway.

Education

Hacktiv8 Indonesia Jakarta, Indonesia
Fullstack JavaScript Immersive Bootcamp *Aug 2019 — Feb 2020*

Skills

- **Languages & Frameworks**: Go, TypeScript, JavaScript, Kotlin, PHP, React, Next.js
- **Architecture & Practices**: Event-Driven Architecture, Distributed Systems, Microservices, REST, gRPC, TDD
- **Data & Messaging**: PostgreSQL, MongoDB, Redis, Google Cloud Pub/Sub, NATS
- **Cloud & Infra**: GCP, AWS, Docker, Kubernetes, Terraform, Git, GitHub Actions
- **Observability & Auth**: Grafana, Sentry, k6, Keycloak, KrakenD
- **Languages**: Bahasa Indonesia (native), English (fluent)