

Trevin Wisaksana

Senior Backend Engineer · Go · Distributed Systems

Full German Work Authorization (Family Reunification, No Sponsorship Required)

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PROFILE

Backend engineer who builds reliable, idempotent systems for high-stakes financial flows in Go. At Stockbit, Indonesia's largest stock broker, I own the account platform behind 2 million brokerage accounts: event-driven Go services that hold consistent state through traffic spikes and process every request exactly once, with monitoring that catches data discrepancies. Seven years shipping production systems working end to end from requirement through production ownership. I learn fast through self-learning and am highly familiar with AI workflows.

SKILLS

Backend: Go (goroutines, channels, concurrency primitives), Python, REST API design, gRPC, microservices

Data: PostgreSQL, Redis, Firestore, OpenSearch

Distributed Systems & Architecture: Kafka, Google Pub/Sub, Redpanda, AutoMQ, event-driven architecture at scale, clean and modular service design

Reliability: idempotent request handling, reconciliation, data-discrepancy detection, on-call, monitoring, alerting

Security & Compliance: authentication/authorization, KYC, ISO 27001, GDPR, audit logging

Cloud & Observability: AWS, GCP, Kubernetes, Docker, Prometheus, Grafana

AI / GenAI: LLM and agent integration, ML pipelines

EXPERIENCE

Senior Backend Engineer · Stockbit Sekuritas, Jakarta, Indonesia *Dec 2025 to Present*

- Own the account management and KYC onboarding platform behind 2 million brokerage accounts, sustaining 10,000+ new registrations a day: registration, identity verification, approval into a live trading account, account changes, re-verification, and suspension or reactivation.
- Design and run event-driven Go services on Kafka, Pub/Sub, and AutoMQ that hold up under IPO-day and market-volatility traffic spikes without losing or duplicating a request.
- Cut on-call incidents by 80% by building the monitoring, alerting, and diagnostic tooling that catches data discrepancies before they reach a user.
- Design the schemas and query paths behind high-throughput account and search APIs in Go across PostgreSQL, Redis, Firestore, and OpenSearch.

Engineering Manager, Backend · Stockbit Sekuritas, Jakarta, Indonesia *Apr 2023 to Dec 2025*

- Architected the migration of 40+ services to AWS, cutting system latency by 50%.
- Spearheaded ISO 27001 compliance and audit logging across every backend system, the security groundwork regulators and enterprise partners require.
- Led a 9-engineer backend team while staying hands-on in Go, running technical design reviews, setting engineering standards, and mentoring engineers into ownership of their own services.

Lead iOS Engineer / iOS Engineer · Stockbit, Jakarta, Indonesia *Jan 2019 to Mar 2023*

- Built core trading features (Watchlist, Live Price, Order, Company Detail) used by 1M+ daily active users, working on top of the same brokerage APIs I build today.
- Raised the crash-free rate to 99.8% through optimized memory management and thread-safe coding practices.
- Scaled the engineering team from 2 to 25 in eight months and led a modular architecture initiative for strong domain separation.

PROJECTS

Adaptive Registration Form (Go) *Open source · github.com/trevinwisaksana/adaptive-registration-form*

- Server-driven onboarding: the Go backend owns the flow definition, validation, and state machine, and the iOS and web clients only render it, so a rule change ships without a client release.
- Models onboarding as a versioned multi-step flow with branching, per-step validation and failure handling, and sessions that pause and resume without losing state.
- Mid-flight repair: when a new flow version is published, returning users are asked only for what is missing instead of starting over. Includes idempotent submissions and a maintenance mode.

GDPR PII Scanner (Python) *TechOn Hackathon 2026, Heilbronn*

- Two-stage detection pipeline for personally identifiable information in multilingual documents: regex and checksum routing resolves roughly 90% of documents cheaply, with the residual sent to a fine-tuned NER model over gRPC.
- Fine-tuned microsoft/mdeberta-v3-base on a synthetic multilingual corpus from a custom BIO-labeled generator, and lifted token recall on long documents from 0.239 to 0.749 with sliding-window inference.
- Exported the model to fp16 ONNX and served it with Triton Inference Server using dynamic batching.

EDUCATION

Binus University, Indonesia · BSc Computer Science (part-time) *Expected 2029*

Make School Product College, San Francisco, USA · Certification *Sep 2016 to May 2017*

LANGUAGES

English (native) · Indonesian (native) · German (A1, in progress)