SUYANTO

Software Engineer · Backend & Full-Stack · Go · PostgreSQL · Vue.js · C#/.NET

Jakarta, Indonesia · suyantolearn09@gmail.com · WhatsApp: wa.link/v28dwk
suyantolabs.my.id (portfolio & live demos) · linkedin.com/in/suyanto09 · github.com/suyanto98

SUMMARY

Software Engineer (2+ years) who builds business systems where the numbers have to be right. At TB Global I build the shared engines of an ERP used daily by up to 50 employees across Finance, Accounting, Purchasing, Sales and Stock: audit trail, safe concurrent editing, real-time notifications and automated accounting closing. Previously built HR and payroll features in C#/.NET for a SaaS serving 5 client companies. My two personal systems, a payment platform and a payroll SaaS, run live with one-click demos.

WORK EXPERIENCE

Software Engineer — TB Global

Jakarta · Sep 2024 – Present

Company-wide ERP for finance, accounting, purchasing, sales and stock · up to 50 daily users in 6 departments · 10-person engineering team

- Stopped users from **silently overwriting each other's changes** on shared transactions (sales, purchasing, payments, vouchers, fixed assets) by adding row-level locking (*SELECT … FOR UPDATE*) and an *updated_at* version check in PostgreSQL across 17 core transaction modules.
- Designed and built a company-wide **audit trail** that shows who changed what and when on any transaction or master record, integrated into 70+ modules to support audits and data traceability.
- Built **real-time notifications** that alert staff in the app and by email when a transaction needs them, across 80+ modules; automatic retries keep alerts from being lost when a connection drops (RabbitMQ, Redis, Server-Sent Events, Go Mail).
- **Ended background-job outages** that required manual restarts several times a day by making RabbitMQ consumers reconnect and recover on their own.
- **Automated accounting closing** with journal-generation engines for P&L closing, account closing, fixed assets and stock, used daily by the Accounting, Finance and Stock teams; built finance reports (fixed asset cards, customer deposit cards, Metabase dashboards).
- Built **reusable Vue/TypeScript components** used across 100+ modules (data filters, column sorting, a multi-format currency input, centralized error notifications, skeleton loaders for large tables), so every module behaves the same way and new screens reuse tested building blocks.
- Contributed to a company-wide UI redesign while keeping core features working (stock balance and reversal, filters, print templates, user access, credit limits).

Stack: Go (Gin, GORM), Vue.js, TypeScript, PostgreSQL, Redis, RabbitMQ, Server-Sent Events, GitLab CI, SonarQube, Metabase

Full-Stack Developer — PT Pasifik Hoki Indonesia

Medan · May 2024 – Aug 2024

Ontime (programgaji.com), an HRIS and payroll SaaS used by 5 client companies with multiple branches

- Designed and built a **shift-scheduling module end to end**: HR plans weekly or monthly rosters, bulk-assigns employees per day and per shift, and sets working hours, with schedules feeding directly into the system's automatic calculations.
- Built the web side of **business-trip monitoring**: live employee locations on Google Maps, trip history and trip schedules, giving HR real-time visibility of staff on the road.
- Mapped data and workflows with HR before coding (ERD, use case, activity and user-flow diagrams) so the SQL Server schema and screens matched how HR actually works; redesigned screens and fixed production bugs.

Stack: C# .NET Web API, Entity Framework, SQL Server, Vue.js, Nuxt, DevExpress, Google Maps API

SELECTED PROJECTS

Personal projects, live with one-click demos, running on one 2 vCPU / 4 GB VPS with CI/CD on GitHub Actions

LedgerPay — Digital wallet & payment platform ledgerpay.suyantolabs.my.id · github.com/suyanto98/ledgerpay

A wallet where money is never deducted twice and a balance never goes negative, even with double clicks, simultaneous payments or a crash halfway through.

- Double-entry ledger in PostgreSQL that rejects unbalanced entries and negative balances; idempotency keys stored in the same transaction as the money movement; wallet rows locked in a fixed order to avoid deadlocks.
- Load-tested against 1 million journals (laptop baseline): 200 transfers/s at p95 11 ms with zero balance drift; 2,001 requests on a wallet that could afford 100 transfers gave exactly 100 successes and 0 deadlocks.
- Payouts keep an explicit "unknown" state after a bank timeout and are settled by daily reconciliation, so a timeout never leads to paying twice.

Tech: Go, PostgreSQL, Vue 3, Docker, GitHub Actions, Prometheus, Grafana, OpenTelemetry

PayRun — Multi-tenant payroll SaaS payrun.suyantolabs.my.id · github.com/suyanto98/payrun

Payroll for many companies in one app: no company can see another's salaries, and payroll finishes correctly even if a server crashes mid-run.

- Tenant isolation enforced by PostgreSQL Row-Level Security, so data stays separated even if application code forgets a filter; verified by automated cross-tenant tests.
- Deterministic payroll engine (proration, overtime, simplified BPJS and tax rules) checked by 33 hand-verified test cases; finalized payroll is locked in the database and corrected only through audited adjustments.
- Payroll runs split into resumable jobs: a 10,000-employee run finishes in about 10 seconds (laptop baseline) with no duplicates after a worker crash.

Tech: Go, PostgreSQL (Row-Level Security), Vue 3, S3-compatible storage, Docker, GitHub Actions

Also built: S-Academy, an online course platform split into services behind an Express API gateway with JWT authentication (Next.js, Express, Laravel; github.com/suyanto98/microservice-api-gateway) · Event Website, event registration with secure login and email notifications (Next.js, Express, MongoDB; github.com/suyanto98/event-user-app).

SKILLS

Languages	Go, TypeScript, JavaScript, C#, SQL
Backend	Gin, GORM, .NET Web API, Entity Framework, Node.js, Express.js, REST APIs
Data & messaging	PostgreSQL (row locking, Row-Level Security), SQL Server, Redis, RabbitMQ, MySQL, MongoDB
Frontend	Vue.js, Nuxt, React, Next.js, Redux, Tailwind CSS
DevOps & tooling	Docker, GitHub Actions, GitLab CI, SonarQube, Prometheus, Grafana, Metabase, Swagger, Git
Spoken languages	Indonesian (native), English (professional working)

EDUCATION & AWARDS

Purwadhika Digital Technology School — Full-Stack Web Development Oct 2023 – Mar 2024

- **Best Student Award** (Aug 2024)
- Certificates: Full-Stack Web Development, Purwadhika (Apr 2024) · Node.js and JavaScript, Programmer Zaman Now (2023–2024)

Multi Study High School — Vocational High School (SMK), Accounting Apr 2014 – May 2017

- Accounting Competency Certificate (industry-assessed) — score 96.44 / 100

RECOMMENDATION

> *"He never gives up when faced with technical issues and consistently demonstrates excellent teamwork. His unwavering dedication to his tasks and collaborative attitude make him a standout engineer."*

— Affan Yusuf Fadillah, Senior Software Engineer & Tech Lead, managed Suyanto directly at TB Global · 3 recommendations on LinkedIn