

# Tensu Qiuwulu

## Software Engineer

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### PROFESSIONAL EXPERIENCE

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#### Hairkatz

Bali, Indonesia

Part Time Software Engineer

Jan 2025 – Present

- Applied **SOLID principles** and **Clean Architecture** to ensure maintainability, scalability, and modular code structure.
- Optimized concurrency using **goroutines** and **channel patterns** for non-blocking I/O and efficient request handling. Utilized **context.Context** to manage timeouts and cancellations across HTTP requests and background processes.
- Performed **memory profiling and benchmarking** using Go's built-in tools (pprof, benchmark tests) to reduce memory allocations and improve runtime performance.
- Reduced latency by optimizing database access patterns and introducing **Redis caching** for frequently queried data.
- Integrated with multiple **digital payment APIs** (QRIS, OVO, GoPay), including error fallback and retry mechanisms.

#### Dinas Komunikasi Informatika Statistik Provinsi Bali

Bali, Indonesia

Full Time Software Engineer

Sep 2022 – Present

- Developed a **web-based licensing application** for the Province of Bali using **Laravel** (backend) and **Vue.js** (frontend).
- Integrated the system with **BSrE e-Signature services** (digital signature) to enable legally binding online document approval.
- Implemented **real-time GPS location logging**, secure data handling, and multi-role access levels for different institutions.

#### PT. Bimasakti Sanjaya

Bali, Indonesia

Full Time Software Engineer

Nov 2021 – Sep 2022

- Designed and implemented **RESTful APIs** to support features such as product catalogs, cart management, order tracking, payment integration, and user accounts.
- Applied **Clean Architecture** and **SOLID principles** to build scalable, maintainable, and testable codebases.
- Optimized concurrent processing using **goroutines** and **channel synchronization** for background jobs such as order notifications, invoice generation, and stock update.
- Integrated third-party services including **payment gateways**, logistics APIs, and SMS/notification providers.

## Selected Project Experience

- **Hairkatz**  
Designed and developed a Point of Sale (POS) system for a barbershop using **Golang**, implementing **SOLID** and **Clean Architecture**.  
[https://play.google.com/store/apps/details?id=com.aksaratech.hairkatz&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=com.aksaratech.hairkatz&pcampaignid=web_share)
- **Bupda Bali Grocery for local village cooperatives**  
Lead backend development of a grocery e-commerce platform for local village cooperatives (BUPDA) using Golang.  
[https://play.google.com/store/apps/details?id=com.bubda.bali.bupda\\_bali&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=com.bubda.bali.bupda_bali&pcampaignid=web_share)
- **Teman Bunda Belanja**  
Led backend development of a grocery e-commerce platform tailored for daily household needs of mothers under the brand "Teman Bunda", focusing on performance, scalability, and seamless user experience.  
[https://play.google.com/store/apps/details?id=com.sembako\\_teman\\_bunda&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=com.sembako_teman_bunda&pcampaignid=web_share)

## EDUCATION

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### ITB Stikom Bali

Bachelor of Information System

2016-2020

## SKILLS

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### Technical Skills:

- Frontend Development (Vue.js, React.js, Svelte)
- Backend Development (Golang, [Adonis.js](#), Spring Boot, Laravel)
- Mobile Development (React Native, Flutter)
- Database (PostgreSQL, MySQL, MongoDB, Redis)