



Akira Awa

Michael Akira Awa Vitug
Long-term Residency Visa Status

Kawasaki, Kanagawa, Japan
 +81 70-6610-3737
 akiraki.awa@gmail.com
 [akirakii.github.io](https://github.com/akirakii) | [LinkedIn](#)

SUMMARY

Backend engineer with expertise in high-throughput APIs, microservices, database optimization and event-driven systems. 3+ years designing scalable backend systems for e-commerce, logistics and financial platforms processing thousands of concurrent users, with deep focus on Python (Flask), Java (Spring), Go (Gin), and PostgreSQL. SCRUM Alliance-certified Agile developer passionate about clean architecture, performance tuning, and DevOps automation.

SKILLS

Tech	Python, Java, Go, SQL, HTML, CSS, JS (Typescript)
Frameworks	Flask, SQLAlchemy, Spring WebFlux, Gin, React
Systems Design	Microservices (6+ instances), Clean Architecture, REST APIs, Event-Driven Design.
DevOps & Cloud	Docker, AWS (ECS, S3), CI/CD pipelines, Linux environments.
Databases	Advanced PostgreSQL (triggers, stored procedures), query optimization, JPA/GORM.
Methodologies	Agile/SCRUM (certified), Design Patterns (Observer, Builder, Decorator).

WORK EXPERIENCE

Freelance Full-Stack Developer (Javascript, Postgresql)
Chifa Dukang, Remote (Miami, USA) | <https://chifadukang.com/>

03/2025 – present

Developing a HR management system and dashboard for a Miami-based restaurant chain.

Automates employee onboarding, shift scheduling, and compliance tracking, with role-based access control for managers and admins using Retool with Javascript. The PostgreSQL database is optimized for high performance across multiple locations, and the Retool-based UI provides real-time analytics on labor costs and turnover rates.

Full-Time Back-End Developer (Java, Python, Golang)
Tiendada, Remote (Lima, Perú) | <https://tiendada.com/>

01/2022 – 01/2025

Developed Shopify-like platform specializing in e-commerce, logistics, and financial systems.

E-commerce Core Systems Development

- Designed order processing workflows using Builder pattern for shopping carts, checkouts, and virtual receipts
- Implemented secure order tracking with real-time shipping calculations and email/SMS notifications
- Built compliant invoice system with version history logs for financial auditing
- Optimized PostgreSQL queries for bulk operations (performance improved from 3000ms to <100ms)

- Developed tax and coupon interaction logic including wholesale pricing
- Created CRM features for customer segmentation and purchase history tracking
- Designed UI configuration system for merchant customization

Platform Security & User Management

- Implemented JWT/Redis authentication with role-based access control
- Developed multi-tenant architecture for store collaborators
- Built event-driven notification system using Observer pattern

Real-Time Messaging System

- Integrated WhatsApp, Facebook, and Instagram APIs using the Decorator pattern for cross-platform messaging.
- Supported file uploads (videos, images) and real-time conversation threading.

Cloud Infrastructure & DevOps

- Migrated from EC2 to AWS ECS for improved container orchestration
- Replaced Cloudinary with S3 for media storage, improving scalability.
- Automated deployments via GitHub Actions/Bitbucket Pipelines.

PORTFOLIO

Personal Website

<https://akirakii.github.io/>

 **Dijkstra** is a visual interactive graph algorithm simulator built with React and TypeScript.

<https://github.com/Akirakii/dijkstra>

CERTIFICATES

Scrum Fundamentals Certified (SFC™)

08/2021 – Indefinite

<https://www.scrumstudy.com/certification/verify?type=SFC&number=867056>

Proof of fundamental SCRUM and AGILE knowledge.

EDUCATION

Bachelor's in Software Engineering

01/2018 – 12/2022

Universidad Peruana de Ciencias Aplicadas (UPC), *Lima, Perú*

Consistently ranked in the top 10% academically. Led all my projects in every course.