

Engineering Profile (Python & Architecture)

Akhmad Daniel Sembiring · daniel@vittraining.com · linkedin.com/in/akhmadsembiring · github.com/akhdaniel

Core Focus

I design scalable backend systems emphasizing reliability, performance, and maintainability.

- Python backend development
- REST APIs and system integration
- SaaS and multi-tenant architecture
- Performance and scalability optimization
- Linux-based production operations

Selected Work

Engineering work spans enterprise integrations and high-volume data processing.

- Refactored large-scale batch pipelines to reduce runtime from hours to minutes
- Built API bridges across ERP, payments, customs, and banking systems
- Designed fault-tolerant sync mechanisms with monitoring and retries

Technology Stack

Tools and architecture patterns chosen for long-term maintainability.

- Python
- PostgreSQL
- Linux
- REST APIs
- SaaS Architecture