

# Tinh Nguyen Trung

Backend Engineer · Java / Spring Boot

Ho Chi Minh City, Vietnam +84 328 760 088 dev.tinhnt@gmail.com linkedin.com/in/tinhntdev tinhnt.viesol.stream

## SUMMARY

Backend engineer with 6+ years building production systems in Java and Spring Boot. Most recently owned the invoice, expense and purchase services of an ERP accounting platform for a Norwegian software company, working fully remote. Before that, led a small team at Cozwork and owned the booking and payment services of an airline-ticketing platform. Strongest at REST API design, PostgreSQL schema design and query tuning, and keeping money-moving flows correct under retries and concurrent requests.

## EXPERIENCE

### Java Backend Engineer · Genie IT Solution

May 2024 – Oct 2026

Norway · Remote · ERP accounting platform on Spring Boot microservices

- Owned the invoice, expense and purchase services from API contract through production support.
- Designed REST APIs and JPA/Hibernate data models on PostgreSQL, using indexing and query profiling to keep reporting endpoints responsive as data volume grew.
- Automated invoice aggregation and expense matching, replacing manual reconciliation steps for finance users.
- Made money-moving endpoints safe to retry with idempotency keys (unique per user, PROCESSING/DONE state, Redis TTL), validation and audit logging, so a retried or half-failed request cannot double-post.
- Covered business logic with JUnit 5 and Mockito plus integration tests, and shipped through CI/CD with environment-specific configuration and zero-downtime releases.

### Fullstack Developer & Team Lead · Cozwork JSC

Mar 2020 – Apr 2024

Ho Chi Minh City · Airline ticketing, e-commerce and healthcare products

- Led a team of 2+ developers, owning code review and the release process.
- Built and maintained the booking and payment services in an existing microservices platform for airline ticketing, integrating domestic airline APIs and payment gateways.
- Wrote a scheduled reconciliation job that kept payment and ticket status consistent across services: re-checking the gateway, retrying ticket issuance, then refunding or voiding the payment when issuance could not complete.
- Handled peak demand on limited promotional fares with idempotency keys against duplicate submissions and optimistic locking (version column) against overselling.
- Built integrations with Shopify, Zapier, Klaviyo and HubSpot, including webhook ingestion deduplicated by provider event ID, with retry handling.
- Built backend services for a multi-site healthcare provider, automating staff dispatch and patient-care tracking.
- Deployed and operated services on AWS (EC2, S3, RDS) behind Nginx, and automated the CI/CD pipeline to remove manual release steps.
- Built React and Next.js screens on top of the team's own APIs where a product needed them.

PERSONAL PROJECT

LedgerBase · SEC fundamentals API

ledgerbase.cc

Own product · early-access MVP · Kotlin, Spring Boot, PostgreSQL, Python

- Public API that ingests SEC EDGAR/XBRL filings and serves normalized financial metrics, where every value links back to its filing, accession number and XBRL concept.
- Staged ingestion pipeline that stores raw filings before parsing, so any metric can be re-derived and traced to its source.
- Responses carry quality status and confidence fields instead of silently estimating missing data; API-key authentication on all endpoints.
- Backend design and data model are my focus; the landing page and docs site were built with AI assistance.

TECHNICAL SKILLS

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Languages          | Java 17, Kotlin, SQL                                                                                     |
| Backend            | Spring Boot, Spring Data JPA / Hibernate, Spring Security, REST & OpenAPI, microservices                 |
| Data               | PostgreSQL, schema design and normalization, indexing and query tuning, Redis                            |
| Testing & delivery | JUnit 5, Mockito, Docker, GitHub Actions, GitLab CI, Nginx / Linux, AWS (EC2, S3, RDS)                   |
| Messaging          | Kafka and RabbitMQ at a conceptual level: when to use each, at-least-once delivery, idempotent consumers |
| Also used          | React / Next.js, TypeScript, Node.js, Laravel / PHP, Python                                              |

EDUCATION

Bachelor of Technology, Information Technology

2016 – 2022

Ton Duc Thang University, Ho Chi Minh City

ADDITIONAL INFORMATION

|                 |                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Languages       | Vietnamese (native), English (professional working proficiency, daily written and spoken use with a Norwegian team)                                 |
| Remote work     | 2.5 years fully remote with a European team across a ~5-hour time-zone gap; async by default through tickets, PR descriptions and API documentation |
| Ways of working | Agile / Scrum, code review, conventional commits, semantic-release                                                                                  |