Thibaud Ledent



Freelance Senior Software Engineer · Tech Lead

Namur, Belgium · thibaudledent@gmail.com
linkedin.com/in/thibaudledent · github.com/thibaudledent

Freelance senior software engineer and tech lead with 10+ years building and operating large-scale transactional platforms: 8 years on high-volume payment systems at Worldline/Ingenico (0 → 7M+ transactions/day) and currently full-stack tech lead on the European Commission's CBAM platform. Hands-on: architecture, delivery, production ownership.

EXPERIENCE

CBAM — Carbon Border Adjustment Mechanism

Oct 2024 – present

Freelance Tech Lead / Senior Software Engineer — European Commission, via Accenture, Brussels

EU carbon-pricing-at-the-border platform; definitive regime live since Jan 2026, serving importers across all 27 member states.

- Technical lead within a ~12-person Scrum team on a 60+ person programme; hands-on full-stack development of cross-cutting platform services.
- Own the synchronization of company data between European Commission information systems and the CBAM platform — secure integration across distributed EC systems.
- Design and deliver shared capabilities used across the platform: document management, notifications, Camunda-based task management.

Stack: Java · Spring Boot 4 · Kubernetes · Kafka · Oracle · Redis · Camunda · Angular/TypeScript · AWS

ARHS Group (part of Accenture)

2015 – Oct 2024

Consultant, final role Software Engineering Manager — Brussels & Luxembourg
Started in Luxembourg, then long-term missions at **Worldline (formerly Ingenico)** — payments:

Acquirer Hub — Lead Developer (Worldline, Brussels)

2016 – 2024

*Unified acquiring API consolidating Ingenico's post-acquisition systems into a single platform connecting **50+ acquiring banks worldwide**; scaled from **0 to 7M+ transactions/day** (sync + async flows), 99.9%+ measured availability.*

- Led one of the project's three Scrum teams (up to 10 developers), delivering ~one third of the 50+ bank integrations.
- Designed the asynchronous transaction flows and resilience mechanisms for zero-transaction-loss operation at scale.
- Led the Worldline **Bancontact NEXO** integration (Belgium's dominant card scheme).
- Operated the platform in production through the Ingenico → Worldline transformation; on-call rotation member.

Stack: Java · Cassandra · Kafka · S3 · Consul · OpenAPI · ELK · Puppet/Hiera

Tokenization Service — Lead Developer (Worldline, Brussels)

2022 – 2024 (in parallel)

PCI-DSS tokenization platform shielding the wider organisation from card-data compliance; millions of requests/day.

- Led the re-architecture of the monolithic token store into shards; executed the migration of **2+ billion tokens** hands-on against the live production system.

Stack: Java · Spring Boot 3 · Spring Batch · PostgreSQL · Envoy

Government of Luxembourg — Developer (Luxembourg)

2015 – 2016

- IT systems for the Luxembourgish government (Java, Oracle, WebSphere).

SKILLS

Languages	Java (expert) · Python · TypeScript/Angular · Bash · SQL
Data & messaging	Kafka · Cassandra · PostgreSQL · Oracle · Redis
Cloud & infra	AWS · Kubernetes · Docker · Puppet · ELK · Grafana
Practices	REST/OpenAPI design · DevOps/CI-CD · Scrum · PCI DSS · production ownership

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (2019, not renewed)
Oracle Certified Associate, Java SE 8 (2018)
Professional Scrum Master I (2018)

EDUCATION

MSc Management Science, HEC Liège — 2017, distinction
MSc Computer Science & Engineering, University of Liège — 2015, distinction (English)

Languages — French (native) · English (professional) · Dutch (basic)

OPEN SOURCE

Maintain a fork of **j8583** (ISO 8583 Java library), originally built while working on payment platforms — github.com/thibaudledent/j8583.