

Adam Lasota

SENIOR SOFTWARE DEVELOPER · BACKEND & INFRASTRUCTURE

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SUMMARY

Senior Backend Developer with 8+ years delivering carrier-grade systems for the Polish telecom sector — real-time protocol parsing (GTP), subscriber data processing at national scale, and enterprise integrations. Strong background in performance engineering and server infrastructure. Comfortable owning full delivery: architecture, implementation, and production ops.

TECHNICAL SKILLS

Core	Java, Spring Boot, REST API, PostgreSQL, Redis, Apache Kafka, RabbitMQ, Hazelcast
Security	Spring Security, Keycloak / OAuth2, JWT, mTLS, WireGuard VPN, LUKS
Infrastructure	Linux (Debian), Incus, Nginx / HAProxy, Docker, KVM/QEMU, Prometheus / Grafana
Frontend	Vue 3, Nuxt 4, TypeScript, SCSS
Self-hosting	Stalwart Mail, Nextcloud, Roundcube, Mailcow — production deployments
Profiling	JProfiler, Async Profiler, Eclipse MAT (heap analysis, memory leak diagnosis)

EXPERIENCE

Senior Java Developer

2019 – Present

SoftwareMind · Long-term contract (Telecom domain, NDA)

- Built a **real-time GTP protocol parser** processing up to **2M UDP frames/s** from national telecom infrastructure using AF_PACKET sockets and custom JNA-based C ↔ Java bridge.
- Developed **subscriber location data platform** — scaled from 30k to **100k ops/s** through Redis pipeline optimization and PostgreSQL partitioning.
- Delivered **message workflow engine** (configurable flows, Kafka, Keycloak, Argo) for mass SMS/notification dispatch with full auditability.
- Contributed to multiple carrier-grade OSS/BSS systems: protocol converters, Netcracker integrations, critical data migrations.
- Served as **Tech Lead for 2 years** — architecture reviews, onboarding, cross-team coordination; returned to senior IC role by choice.

Software Developer — Independent

2016 – Present

Dodocode Adam Lasota · Own projects & freelance

- Built and operate a **self-hosted infrastructure** (Incus, WireGuard, HAProxy, Stalwart Mail, Nextcloud) — live at rodzinal.pl, hosting Dodocode business services.
- Developing **CityOn.pl** — a full-stack Polish venue discovery platform (Java, Spring Boot, Nuxt 4, PostgreSQL).
- Delivered commercial systems in healthcare (EKG analysis) and IoT (global weather sensor aggregation, 3 continents).

SELECTED OPEN PROJECTS

CityOn.pl — Venue Discovery Platform

cityon.pl

Full-stack platform for exploring places across Poland. Full-text search, PostgreSQL, active development.

Java · Spring Boot · Nuxt 4 · PostgreSQL · Elasticsearch

Sensor App — IoT Flow Engine

github.com/Alien777/sensor-app

ESP32-based weather sensor system with MQTT ingestion, configurable flow engine, and web dashboard.

Java · C · Spring Boot · MQTT · PostgreSQL

EDUCATION

M.Sc. Computer Science

2011 – 2016

AGH University of Science and Technology · Faculty of EAIiB · Kraków, Poland