

Kamil Koterba

Senior Software Engineer / DevOps & Platform

kamilkoterba.com · kamil.koterba95@gmail.com · 085 807 5415 · Dublin, Ireland (open to remote, IE) · linkedin.com/in/kamil-koterba-aa699ab9

SUMMARY

Software engineer with 8+ years in telecommunications, progressing from graduate engineer to senior engineer leading delivery on production systems — Kubernetes, Docker, CI/CD, and cloud-native architecture — built alongside close work with customers on live deployments. Outside of that, runs a self-hosted infrastructure practice at home: distributed AI orchestration, home automation, an automated content pipeline, and a trading platform, each built, deployed, and operated solo, end to end.

EXPERIENCE

Senior Software Engineer

Openet (an Amdocs company) · May 2021 – Nov 2025

- Designed and implemented data streaming solutions using Kafka
- Led a small engineering team delivering production-ready solutions on time
- Built and maintained CI/CD pipelines with Jenkins; deployed and managed Kubernetes clusters
- Developed REST APIs (Java, Apache Camel); automated Docker image builds with Maven

Software Engineer II

Openet (an Amdocs company) · Apr 2019 – May 2021

- Built Helm charts and Docker images via Jenkins Groovy scripts
- Managed cloud infrastructure and deployment automation on Kubernetes
- On-site customer testing and issue resolution; AWS service integration and monitoring

Software Engineer I → Graduate

Openet · Jun 2017 – Mar 2019

- JSLEE and proprietary charging-system scripting; Diameter/SS7/Camel protocol testing
- SCP deployments across APAC regions; on-site customer troubleshooting

Intern, Services Team

Openet · Feb 2016 – Sep 2016

- Implemented software modules; unit and system testing; technical documentation

SELECTED PROJECTS

Trading Platform (ticker-tap.com)

Bloomberg-terminal-inspired full-stack app: FastAPI/PostgreSQL backend, React 19 frontend. JWT auth with Argon2id hashing, race-condition-safe order execution, rate limiting, and an immutable audit trail for security-sensitive actions.

swarmAI — Multi-Agent Financial Advisory Swarm

Three-agent pipeline (Logician, Devil's Advocate, Aggregator) that debates a question in sequence against a locally-hosted LLM, triggered and delivered via Telegram; FastAPI, Ollama, n8n.

Content Automation Pipeline (Husaria Beats)

End-to-end release pipeline where the only manual steps are generating the song/video and a final check — scheduling, cross-posting to TikTok/Instagram/Facebook, YouTube upload, and cross-linking run unattended via n8n.

AI & Homelab Infrastructure

Distributed always-on stack with orchestration and inference split across a low-power always-on server and a laptop with local NPU/iGPU acceleration; Docker, n8n, Ollama, Postgres/Redis.

Home Automation & Security (case study)

Full Home Assistant deployment (alarm, gates, lighting, camera-triggered automations). Ran a config-drift audit and secret-hygiene review, catching and fixing a hardcoded credential, verified live. Extending the platform for Matter/Zigbee interoperability.

Public Repository Security Audit (case study)

Full-history audit across 6 public repos (~630 commits, every branch) before linking them publicly — found a real infrastructure exposure that an earlier, unmerged fix had already solved, plus one gap that fix itself had missed.

SKILLS

Languages	Java, Python, SQL
Cloud & DevOps	Kubernetes, Docker, Helm, Jenkins, AWS
Practices	CI/CD, Microservices, SRE, REST APIs, Agile, Security Auditing
Frameworks & Data	FastAPI, PostgreSQL, React, Redis
Homelab / Automation	n8n, Home Assistant, Ollama, Zigbee/Matter, ESP32

EDUCATION

BSc Computer Science & Software Engineering — Maynooth University