

# Krzysztof Słomka

Senior Backend Engineer & Software Architect | PHP, TypeScript, Java & Go | Distributed Systems, AWS, Fintech

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Polish – Native | English – Professional working proficiency

## Professional Summary

Senior Backend Engineer and Software Architect with 15+ years of experience building scalable backend systems, fintech platforms, SaaS products, and high-traffic web applications.

Specialized in backend architecture, distributed systems, platform engineering, cloud-native systems, observability, analytics pipelines, and event-driven architectures focused on scalability, reliability, maintainability, and long-term evolution.

Over the years I have worked on fintech systems, payment-related platforms, lead generation ecosystems, observability tooling, backend modernization initiatives, and production-critical services operating at scale.

## Core Skills

Software Architecture • Distributed Systems • Backend Development • Platform Engineering • Event-Driven Architecture • Fintech Systems • PHP • TypeScript • Java • Go • AWS • Kubernetes • NestJS • Symfony • Microservices • CQRS • DDD • PostgreSQL • BigQuery • OpenSearch • RabbitMQ • Docker • CI/CD • Observability • API Design • Cloud-Native Systems

## Professional Experience

### Senior Software Engineer - Excel™

Miami, FL, USA (Remote) | April 2023 – May 2026

- Led migration of legacy backend services from PHP to NestJS and TypeScript, improving scalability, maintainability, operational visibility, and long-term platform evolution.
- Designed and developed distributed backend services and APIs for high-scale lead generation and fintech-related platforms using PHP, Symfony, TypeScript, and NestJS.
- Designed platform architecture, observability tooling, event tracking systems, and BigQuery-driven analytics pipelines processing large-scale operational data and operational metrics.
- Built observability tooling and backend debugging workflows using OpenSearch, structured logging, event tracking, and operational monitoring approaches.
- Improved engineering standards across services by introducing better project structures, technical documentation, logging strategies, debugging workflows, and development best practices.
- Conducted backend performance audits and optimization initiatives, identifying bottlenecks and improving reliability, operational stability, scalability, and developer experience.
- Collaborated cross-functionally with engineering, product, analytics, and business stakeholders on production-critical backend systems and scalable distributed solutions.

**Tech stack:** TypeScript, NestJS, PHP, Symfony, AWS, GCP, PostgreSQL, BigQuery, Redis, OpenSearch, Kubernetes

## Senior Software Engineer - Volt.io

Cracow, Poland (Remote) | February 2024 – November 2024

- Designed and developed secure backend services and payment-related APIs for fintech and open banking solutions operating in distributed cloud environments.
- Contributed to a global payment API gateway supporting payment initiation and processing workflows across multiple regions and banking providers.
- Improved distributed payment systems focused on scalability, low latency, reliability, fault tolerance, and operational efficiency.
- Led backend optimization initiatives, architectural improvements, and performance tuning for high-throughput financial systems.
- Applied CQRS, DDD, distributed systems principles, and AWS-based cloud architectures in production fintech environments.
- Contributed to backend standardization, engineering quality improvements, technical documentation, and code review processes across distributed fintech teams.

**Tech stack:** PHP, Symfony, AWS, CQRS, DDD, Distributed Systems

## Senior Software Engineer - Ibexa

Kraków, Poland (Remote) | December 2022 – April 2023

- Worked on R&D initiatives and platform-level backend development for Ibexa DXP, focusing on scalability, integrations, and modern backend architecture.
- Designed and developed REST APIs and backend services supporting third-party integrations and enterprise-level platform extensibility.
- Collaborated with engineering and product teams on evaluating architectural improvements, backend modernization opportunities, and long-term platform evolution.
- Contributed to improving developer experience, maintainability, integration workflows, and technical direction across backend services.

**Tech stack:** PHP, Symfony, REST APIs, Docker, PostgreSQL

## Software Architect - PragmaGO.tech

Kraków, Poland | June 2018 – December 2022

- Designed distributed architecture for fintech platforms and backend services focused on scalability, reliability, high availability, and long-term maintainability.
- Designed microservice-based systems, integration layers, communication contracts, asynchronous workflows, and event-driven solutions across multiple internal and external services.
- Led architectural initiatives across development teams, introducing engineering standards, code quality practices, mentoring processes, technical documentation, and backend modernization strategies.
- Designed and optimized CI/CD pipelines and containerized environments using Jenkins, GitHub Actions, Docker, Kubernetes, and cloud-native deployment approaches.
- Collaborated closely with engineering and business stakeholders on scalable platform solutions supporting financial services, payment-related systems, and operational workflows.
- Led technical leadership initiatives including mentoring engineers, conducting architecture reviews, and improving development and deployment processes.
- Contributed to improving system maintainability, scalability, deployment reliability, and backend engineering consistency across multiple teams.

**Tech stack:** PHP, Symfony, Laravel, TypeScript, NestJS, Java, Kotlin, Spring Boot, PostgreSQL, RabbitMQ, Kubernetes, Docker, GCP, Azure

## Senior Software Engineer - PragmaGO.tech

Kraków, Poland | December 2015 – June 2018

- Developed backend services and financial modules for fintech and factoring platforms, including settlement, reconciliation, reporting, and integration systems.
- Designed backend architecture, APIs, asynchronous workflows, distributed processing systems, and integration layers using PHP and Node.js ecosystems.
- Contributed to deployment reliability and engineering workflow improvements by implementing CI/CD pipelines, release optimizations, and automation tooling.
- Participated in code reviews, onboarding, mentoring, and technical knowledge sharing initiatives focused on improving engineering standards across the team.
- Collaborated with business stakeholders and engineering teams on scalable backend solutions supporting operational and financial workflows.

**Tech stack:** PHP, Symfony, API Platform, Node.js, TypeScript, PostgreSQL, RabbitMQ, ElasticSearch, Jenkins

## Software Engineer - TVN

Kraków, Poland | July 2014 – December 2015

- Developed and maintained high-traffic backend systems and digital platforms for TVN24Biz, focusing on performance, scalability, and operational stability.
- Worked on large-scale CMS platforms handling millions of articles, media assets, editorial workflows, and advertising-related content.
- Collaborated with infrastructure and operations teams on monitoring, backend optimization, performance tuning, and production-critical system reliability.
- Contributed to development of internal CMS solutions built with Symfony, improving editorial workflows, search capabilities, and content management processes.
- Participated in backend optimization and data management initiatives supporting high-availability media systems during heavy traffic spikes and breaking news events.

**Tech stack:** PHP, Symfony, MySQL, JavaScript, Jenkins

## PHP Backend Engineer - AKRA Polska

Kraków, Poland | October 2013 – July 2014

- Developed backend applications and custom web platforms for e-commerce and business-oriented solutions using PHP and Symfony-based ecosystems.
- Worked on projects including key2print.pl, wszycyklikamy.pl, and internal business applications focused on workflow optimization and content management.
- Contributed to backend architecture, application development, integrations, and scalable web solutions tailored to client requirements.

**Tech stack:** PHP, Symfony, Laravel, Zend Framework, Silius, MySQL

## Team Leader - Ezotic.pl

Kraków, Poland | May 2013 – October 2013

- Led a small development team responsible for backend and billing-related systems for enterprise clients.
- Designed and implemented scalable billing and integration systems for Energa S.A., focusing on reliability and maintainability.
- Worked directly with stakeholders to gather requirements, coordinate technical solutions, and support project delivery.
- Developed integration layers between multiple applications and contributed to technical documentation and UML-based system design.

**Tech stack:** PHP, CakePHP, MySQL, JavaScript, UML

## Web Developer - Rise Agency

Kraków, Poland | March 2012 – May 2013

- Developed custom web platforms and CMS-based solutions for clients including Royal Canin and Fenix Group.
- Worked on backend and frontend implementation of business-oriented web applications, product-related systems, and custom landing pages.
- Participated in development of CMS solutions, couponing systems, and product finder applications tailored to client requirements.

**Tech stack:** PHP, Symfony, MySQL, JavaScript, jQuery

## Freelance Web Developer - Freelance

Kraków, Poland | 2008 – 2012

- Delivered custom websites and web applications for small businesses and individual clients.
- Managed Linux-based hosting environments and supported deployment, maintenance, and administration of production systems.
- Worked on custom backend solutions, CMS implementations, and business-oriented web applications.

**Tech stack:** PHP, MySQL, Linux, JavaScript

Independent B2B consulting and software development projects focused on backend systems, automation, and custom business platforms.

## Projects & Publications

**Driftr** - JavaScript toolchain manager inspired by Volta, focused on speed, simplicity, and developer experience.

(<https://github.com/DriftrLabs/Driftr>)

**Securing Event-Sourced Financial Systems: From Encryption to Observability** - Technical article focused on fintech architectures, event sourcing, observability, and secure distributed systems. (<https://medium.com/@kisztof/securing-event-sourced-financial-systems-from-encryption-to-observability-1994fd2466c5>)

**Hermes Agent Review** - Engineering-focused article exploring self-improving AI agents, agentic workflows, and practical AI experimentation. (<https://medium.com/@kisztof/hermes-agent-review-nous-researchs-self-improving-ai-agent-e72bc244435a>)

## Education

School of Management and Banking in Krakow (WSZIB)

Bachelor of Engineering in Computer Science, Web technology (2008 – 2012)