

GRZEGORZ LISOWSKI

Senior Full-Stack Developer & Technical Leader | Zabrze, Poland

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Summary

Senior Full-Stack Developer and Technical Leader with extensive experience building scalable web applications, real-time AI pipelines, and international e-invoicing infrastructure. Expertise in TypeScript, Node.js, NestJS, React, Python, Go, and Ruby on Rails. Proven track record in legacy modernization, distributed system design and open-source contributions across remote engineering teams.

Technical Skills

Back-End: Node.js, NestJS, Ruby on Rails, Go, Python, PostgreSQL, Redis, OpenSearch, Vector databases

Front-End & AI: TypeScript, React, Next.js, Tailwind CSS, OpenAI API, LLM Tool Calling, Prompt Engineering, Python

Infrastructure: AWS, Docker, Terraform, CI/CD (GitHub Actions), Unity3D

Specialties: E-Invoicing (KSeF, ZUGFeRD, Factur-X), System Architecture, Legacy Modernization, Semantic Search

Experience & Key Deliveries

Technical Leader / Senior Full-Stack Developer - Fractal soft (Gliwice, Poland)

2013 - Present

- **Technical Leadership:** Led cross-functional engineering squads (3–5 developers) through the full SDLC, taking ownership of system architecture, technical discovery, and code reviews.
- **Legacy Modernization:** transitioned Rails 4.2 to 7.x, replaced legacy Ember 1.4/CoffeeScript front-ends with modern React and ES6, updated UI frameworks to Bootstrap 5.
- **AI Document Audit & Procurement:** Worked on multimodal RAG document pipelines (Python, NestJS) and automated vendor scoring systems for enterprise client applications.
- **International E-Invoicing:** Built compliance infrastructure for KSeF (Poland), ZUGFeRD (Germany), and Factur-X (France) integrated across microservices architecture.
- **GOBL (Open Source):** Core contributor to an open-source Go SDK (275★) for standardized multi-country JSON e-invoicing workflows.
- **High-Traffic SaaS:** Built hotel management software and e-learning platforms serving millions of users with A/B experimentation frameworks.
- **Additional Work:** Delivered 10+ custom web, AR/VR (Unity/ARKit), and back-office platforms across Fintech, EdTech, and PropTech sectors.

Education, Certifications & Languages

- **Education:** MSc & B.Eng. in Computer Science - University of Silesia & Silesian University of Technology
- **Certifications:** IBM Full Stack Software Developer Certificate, Generative AI Essentials, Kubernetes & Containers Essentials
- **Languages:** Polish (Native), English (C1)