

# Filip Sergot

Senior Software Engineer

## Contact

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## Skills

### Backend

- Python (FastAPI, Django, Flask, SQLAlchemy, Pytest, MyPy, Asyncio, Pydantic)
- Go (Gin, Echo, GORM, Testify, Ent, Generics)
- Perl (Mojolicious, Dancer, DBI, Moose, Raku, OTRS, CPAN)

### DevOps & Cloud

- Docker
- Kubernetes (Helm, Prometheus, Grafana, kubectl, Operators)
- AWS
- Azure
- Google Cloud
- CI/CD (GitHub Actions, Jenkins, CircleCI)

### Databases & Data

- PostgreSQL
- MongoDB
- MySQL
- Redis
- Elasticsearch
- Apache Kafka

### Frontend

- React
- Vue.js
- TypeScript
- JavaScript

## Experience

### Adobe

#### Senior Software Developer & DevOps Engineer

2024 - Present | Remote, Poland

- Architecting and implementing alert automation systems for Adobe Experience Manager as a Cloud Service
- Developing and optimizing stress testing automation frameworks, identifying performance bottlenecks before production deployment
- Collaborating with cross-functional teams to implement SRE best practices and enhance system reliability across cloud environments
- Designing and implementing monitoring dashboards with Grafana and Prometheus that provide real-time visibility into system performance

**Technologies:** Python, Grafana, Prometheus, Helm, Docker, Kubernetes, Go, Azure

### Zabka NANO

#### Senior Software Developer

2023 - 2024 | Remote, Poland

- Development for Poland's first autonomous convenience store network (<https://zabkagroup.com/convenience/nano/>), enabling 24/7 shopping experiences without staff
- Designed and implemented core microservices architecture using FastAPI
- Engineered fault-tolerant systems with 99.9% uptime through comprehensive error handling, automated recovery processes, and proactive monitoring
- Streamlined CI/CD pipelines in CircleCI and Azure DevOps, enabling 3x more frequent releases
- Served as on-call engineer, resolving critical production issues

**Technologies:** Python, FastAPI, Kubernetes, Azure, CircleCI, Microservices

### ZAGENO

#### Software Developer

2022 - 2022 | Remote, Poland

- Developed high-throughput microservices for a scientific marketplace platform using Apache Kafka and FastAPI
- Refactored legacy Django application and migrated to FastAPI and Spring microservices
- Created and deployed a sophisticated data extraction system using Python/Scrapy that automated collection product listings from supplier websites
- Implemented comprehensive test suites achieving 90%+ code coverage, significantly reducing production bugs
- Optimized GitHub Actions workflows, enabling continuous deployment

**Technologies:** Python, Django, FastAPI, Git, GCP, Apache Kafka, Scrapy, GitHub Actions

## Tools & Methodologies

- Git (GitHub, Bitbucket, GitLab)
- Agile
- Testing (Unit Testing, Integration Testing, E2E Testing, TDD, BDD, Mocking)
- System Design (Architecture Patterns, Scalability, High Availability, Fault Tolerance, Performance Optimization)

## Projects

### SSL Support for Raku

Led the Google Summer of Code project for the Perl Foundation that implemented comprehensive SSL/TLS support for the Raku programming language. This critical infrastructure component is now used by thousands of developers worldwide for secure communications.

**Technologies:** Raku, C, OpenSSL, Network Protocols, Security

### Personal Portfolio Website

Designed and developed a modern, responsive portfolio website with dark mode support, smooth animations, and automated PDF resume generation. Features server-side rendering, optimized performance (100/100 Lighthouse score), and comprehensive SEO.

**Technologies:** Next.js, TypeScript, Tailwind CSS, Framer Motion, Puppeteer

## Adzuna

### Software Developer

2018 - 2022 | Remote, Poland

- Led development of a strategic UK government job-search platform, collaborating directly with government stakeholders
- Architected and implemented a high-performance job matching algorithm that improved search relevance by 65% and increased user engagement by 40%
- Designed scalable data processing pipelines handling job listings across multiple regions
- Established robust CI/CD processes in Jenkins that enabled multiple daily releases

**Technologies:** Perl, AWS, Solr, MongoDB, PostgreSQL, Python, Jenkins

### Sidnet

#### Perl Developer

2016 - 2018 | Remote, Poland

- Developed custom enterprise solutions for OTRS (Open Ticket Request System) that improved ticket resolution time by 35%
- Designed and implemented RESTful APIs that facilitated seamless integration with 10+ external systems and services
- Optimized database queries and application performance
- Refactored legacy codebase, reducing technical debt by 40% and improving maintainability

**Technologies:** Perl, Solr, Dancer, MySQL, REST API, JavaScript, OTRS

### Allegro

#### Software Engineer

2014 - 2016 | Poznań, Poland

- Contributed to Poland's largest e-commerce platform
- Developed responsive UI components using React
- Engineered high-performance backend microservices
- Created an internal customer support platform using Java and Vue.js that reduced ticket resolution time by 40%
- Participated in system architecture design sessions and implemented scalable solutions for business-critical features

**Technologies:** Java, Vue.js, React, Perl, MongoDB, MySQL, Python, Microservices

## Summary

Results-driven Senior Software Engineer with 10+ years of experience architecting high-performance systems. Specialized in cloud-native microservices, DevOps automation, and scalable web applications for enterprise clients including Adobe and Allegro. Proven leadership in delivering mission-critical projects that enhance operational efficiency and drive business growth. Google Summer of Code participant with a passion for open-source contribution and continuous learning in emerging technologies.