

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 module is now used by developers worldwide for secure communications.

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

Fiendlist

Social platform for the MMO game Tibia that streamlines team organization through shareable participation lists. Features secure authentication via Discord and Google, anonymous user accounts, and a responsive interface built with Go backend and React frontend. Designed to enhance player coordination for in-game events and activities.

Technologies: Go, MongoDB, React, TypeScript

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.

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, and comprehensive SEO.

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