

Dawid Szymaniak

Python / Fullstack Software Engineer

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Summary

Fullstack Software Engineer with 2+ years of experience building high-throughput ETL pipelines, asynchronous systems, and scalable web applications. Recently promoted to Associate Engineer at Adverity for driving architectural ownership, leading complex FE/BE decoupling migrations, and handling tier-1 enterprise escalations. Experienced in querying, monitoring, and debugging high-volume data streams (terabytes/day) using Python, Django, Celery, AWS Athena, and Sentry.

Experience

Adverity

Vienna, Austria (Remote)

Associate Software Engineer

July 2026 - Present

- Domain Ownership & Architectural Migration:** Promoted to lead the architectural transformation of the "JSON Forms" core domain, decoupling legacy monolithic Django templates into a modern FE/BE architecture; set integration standards, established design patterns, and mentored engineers through code reviews.
- Production Observability & Escalations:** Served as an escalation engineer for tier-1 enterprise accounts, utilizing **AWS Athena** for ad-hoc SQL queries directly on live S3 data lakes to audit pipeline integrity and resolve high-severity operational issues.
- AI Workflow Optimization:** Developed custom AI developer workflows (Claude Code skills) specifically tuned for complex JSON schema migrations, significantly boosting engineering velocity across the team.

Junior Software Engineer

March 2025 - July 2026

- High-Throughput ETL Pipelines:** Engineered and maintained fault-tolerant ETL workflows processing **terabytes of data daily** across diverse third-party REST API integrations.
- Asynchronous Orchestration:** Designed complex distributed task flows using **Celery (chains, chords)**, implementing custom retry strategies, backoff logic, and rate-limiting to ensure system reliability under heavy loads.
- System Monitoring & Cloud Operations:** Monitored production health using Sentry and application telemetry, operating within AWS infrastructure to troubleshoot and hotfix live issues.

Remedycine

Warsaw, Poland (Remote)

Fullstack Software Engineer

June 2024 - March 2025

- Real-Time Medical Engine:** Developed a full-stack medical application using Django, vanilla JavaScript, and WebSockets (Django Channels) for instant medical result sharing.
- Data Extraction & Security:** Integrated OpenAI's API to automatically parse and extract unstructured medical results; protected sensitive user data using AWS KMS encryption standards.
- E-Commerce & Payments:** Integrated Stripe payment infrastructure for secure customer checkout and subscription management.

Education

University of London

Bachelors of Science

Computer Science - Machine Learning and AI

London, England (Distance Learning) • 2026 - 2030

Skills

Python	TypeScript	Celery	Django
REST APIs	AWS Athena	Kubernetes	Docker
PostgreSQL	Sentry	Redis	CI/CD (GitHub Actions)

Languages

English
Native

Polish
Native

GDPR

I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the European Parliament's and Council of the European Union Regulation on the Protection of Natural Persons as of 27 April 2016, with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC.