Konrad Białas

Senior *Python* Backend Engineer

Katowice, Poland · B2B · remote (EU) or hybrid
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PROFILE

Python backend engineer with over seven years of experience in the IT industry, as a freelancer and in development teams. I design, build and optimise web applications and backend systems, including integrations with AI models, and deploy them on AWS, Microsoft Azure and Google Cloud. I am currently pursuing a master's degree in Applications of Artificial Intelligence at WSB University.

WORK EXPERIENCE

02.2026 – 10.2026 · Katowice

Senior Software Developer · EndySoft

Led the end-to-end development of a SaaS cloud platform based on Django and Django REST Framework (DRF) for an international client. Acted as the primary technical expert, designing scalable architecture on AWS and Microsoft Azure with Docker and Kubernetes. Implemented data and virtualised infrastructure migrations from existing AWS and Azure environments and integrated them with the platform. Took full ownership of critical features, managing their lifecycle via GitLab CI/CD and Agile methodologies. Directed the team's workflow, enforced GitFlow and high engineering standards, and designed roadmaps for system optimisation using PostgreSQL, Elasticsearch and infrastructure automation with Ansible and YAML.

Python · Django · DRF · AWS · Azure · Docker · Kubernetes · PostgreSQL · Elasticsearch · Ansible · GitLab CI/CD

07.2025 – 01.2026 · Katowice

Senior Software Developer · Sopra Steria, for Airbus

Designed and implemented scalable enterprise solutions for Airbus within a distributed environment. Developed backend services in Python 3 and managed cloud deployments on GCP using Docker and Kubernetes. Provided technical leadership through architectural planning, code reviews and mentoring in an Agile environment managed in Jira. Automated infrastructure and deployment pipelines with Ansible AWX and Jenkins. Maintained code in Bitbucket and integrated databases including Oracle, DynamoDB and MySQL.

Python · GCP · Docker · Kubernetes · Ansible AWX · Jenkins · Oracle · DynamoDB · MySQL · Jira · Bitbucket

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10.2024 – 06.2025 · Warsaw

Python Developer · AICONIC

Built backend systems in Python 3 and FastAPI that integrate AI models into personalised client services. Managed data processing pipelines in R and stored datasets in MongoDB and DynamoDB. Handled cloud resources on Google Cloud Platform and AWS. Migrated data from PostgreSQL on AWS to MongoDB, working with Amazon EC2 and Amazon EKS until the migration was complete, and explored Amazon Bedrock for AI model deployment. Worked closely with data science teams to optimise API performance and model deployment using Docker and Git.

Python · FastAPI · MongoDB · DynamoDB · PostgreSQL · AWS (EC2, EKS, Bedrock) · GCP · Docker · R

SKILLS

Backend

Python 2.x/3.x · Django · Django REST Framework · FastAPI · Flask · SQLAlchemy · REST APIs

Cloud & DevOps

AWS · Microsoft Azure · Google Cloud · Docker · Kubernetes · Ansible · Ansible AWX · Jenkins · GitLab CI/CD

Data

PostgreSQL · MongoDB · Elasticsearch · MySQL · Oracle · DynamoDB · SQLite · R

AI

AI model integration with FastAPI · model deployment with Docker · Amazon Bedrock (explored)

Tools & process

Git · GitFlow · GitLab · Bitbucket · Jira · Agile · YAML · XML

LANGUAGES

Polish	native
English	native
German	basic

ENGAGEMENT

Contract	B2B
Mode	remote / hybrid
Based in	Katowice

WORK EXPERIENCE, CONTINUED

09.2024 – 03.2025

Programming Teacher · EduGO

Taught coding and computational thinking to high school students and beyond: foundational and advanced programming in Python, basic web development and version control with Git, preparing students for practical software development.

05.2022 – 09.2024 · Mysłowice

Backend Developer · Mieszczanin Informatyka

Led multiple projects developing the company's core products, e-kartoteka and e-Mieszczanin, in Python, Django and Flask. Implemented and deployed RESTful features that improved the software's performance and functionality. Designed database schemas with SQLAlchemy and managed relational data in PostgreSQL and SQLite. Prepared technical documentation in XML and managed project tasks.

Python · Django · Flask · SQLAlchemy · PostgreSQL · SQLite · XML

08.2019 – 04.2022

Web Developer · Freelancer

Designed and delivered custom web applications in Python, Flask and Django. Integrated tailored solutions and optimised REST APIs. Designed and managed database integrations with PostgreSQL, Oracle and AWS (Amazon Aurora, DynamoDB). Handled end-to-end cloud deployment on AWS, version control in Git and technical documentation for client projects.

Python · Flask · Django · PostgreSQL · Oracle · AWS (Aurora, DynamoDB) · Git

ADDITIONAL ACTIVITIES

01.2023 – 04.2023

Tutor · Object-oriented programming and network technologies

Free online tutoring for high school students taking the computer science final exam.

EDUCATION

from 08.2023

WSB University

Master's degree, Applications of Artificial Intelligence (in progress)

10.2020 – 02.2023

Małopolska Uczelnia Państwowa im. rotmistrza Witolda Pileckiego w Oświęcimiu

Engineer's degree, Computer Science and Technology. Thesis on web application development, graded 5.0.

INTERESTS

Combat and strength sports (boxing, powerlifting, natural bodybuilding), 3D printing, scene and landscape renders in Unreal Engine 5, 3D modelling in Blender and photogrammetry.