

Rostyslav Zakroishchykov

Lead Backend Engineer

Kyiv, Ukraine | zachross90210@gmail.com | linkedin.com/in/rosz

Professional summary

FastAPI developer with experience building modular **APIs**, handling authentication, and working with databases and background tasks. Developed and maintained services integrating external APIs, managing data flows, and supporting scalable backend operations.

Summary of skills

Agile methodology / Kanban

- Led cross-functional sprints under strict Agile cadence with measurable delivery metrics
- Enforced Kanban flow discipline, limiting WIP and removing blockers across teams
- Drove backlog refinement with hard prioritization based on throughput data

Python

- Developed Python applications for web, automation, and data processing tasks
- Built and maintained RESTful APIs using frameworks like Django, Flask, and FastAPI
- Implemented asynchronous workflows and background tasks with Celery and asyncio
- Built data pipelines to aggregate, process, and manipulate information across multiple services

PostgreSQL

- Developed complex SQL queries and stored procedures to support business logic
- Optimized queries, created indexes, and tuned performance for large datasets
- Designed and maintained PostgreSQL schemas for transactional applications

AWS

- Deployed and managed applications on AWS using EC2, and RD
- Configured Lambda functions and API Gateway for serverless API endpoints
- Monitored performance, costs, and security using CloudWatch, IAM, and best practices

FastAPI

- Developed and maintained FastAPI applications with asynchronous endpoints
- Designed database models with SQLAlchemy and managed migrations
- Implemented authentication, JWT tokens, and role-based access control for API

Django

- ensuring reliable data flow and proper error handling in Django projects.
- Built background task pipelines with Celery and Redis
- Designed and implemented authentication, authorization using Django and DRF
- Developed and maintained Django applications using DRF

Experience

AI Integration Engineer

Nov 2024 - Jun 2025

Personal Contracts

- Designed and deployed RAG pipelines using LangChain, Pinecone
- Integrated LLM's into search systems, implementing caching + fallback mechanisms
- Developed scalable REST APIs (Python/FastAPI, Node.js/Express) with AI integration

Skills: RAG, LangChain, Pinecone, LLM

Senior Backend Developer

Jan 2021 - Oct 2024

Compass Mining

- Led a distributed team of 4 developers, establishing code review processes, sprint planning.
- Architected and implemented microservices in Node.js and Python, deployed on AWS (ECS, Lambda, S3)
- Optimized PostgreSQL performance with advanced indexing, partitioning, and query refactoring to reduce query time by 80% and improve development experience
- Moved a monolithic project to a microservices architecture in an AWS environment

Skills: AWS, PostgreSQL, Nodejs, Python, Agile, Kanban, React

Full Stack Developer

Mar 2019 - Dec 2020

Fintech SaaS Startup

- Built and deployed client-facing SaaS applications with React (frontend) and Node.js/Express (backend)
- Implemented automated testing pipelines with raising code coverage to 85%
- Collaborated directly with stakeholders to translate requirements into shipped features, delivering product iterations in 2-week sprints.

Skills: MongoDB, Nodejs, Mongoose, Vue.js

Software Engineer

Mar 2017 - Feb 2019

E-commerce Platform

- Designed and scaled RESTful APIs in Python/Django, implementing authentication, rate limiting, and monitoring with AWS CloudWatch
- Developed real-time data processing pipelines using RabbitMQ + Celery to handle millions of daily events, powering analytics dashboards and alerting systems
- Led the migration from a monolithic Django app to a microservices architecture in AWS Ecosystem

Skills: API, Django, Python, Celery, RabbitMQ, Redis, AWS

Backend Engineer

Oct 2015 - Feb 2017

Remote Analytics Company

- Designed and deployed RESTful APIs with Flask, integrating PostgreSQL and Redis
- Implemented authentication and role-based access control using JWT and OAuth2
- securing sensitive endpoints and ensuring compliance with industry standards
- Developed a background task system with Celery + Redis, enabling asynchronous processing of high-volume jobs (report generation, data ingestion) with improved throughput.

Skills: API, Django, Python, Celery, RabbitMQ

Django Backend Engineer

Mar 2013 - Sep 2015

Full-time Contract

- Developed and scaled RESTful APIs in Django + DRF
- Implemented asynchronous task processing with Celery + Redis
- Integrated secure authentication and authorization with JWT + Google OAuth2, providing single sign-on for multiple client applications

Skills: DRF, Django, Python, Celery, RabbitMQ

Education:

- Bachelor of Computer Science, DUIKT, 2023-2027
- HIPAA Compliance: A Complete Guide

Languages:

English – B2, **Ukrainian** – Native, **Russian** – Bilingual