VLADIMIR YAKOVENKO

Senior Python Backend Developer

Contact

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Professional Summary

Senior Python Backend Developer with 8+ years of experience building scalable web applications, REST APIs, and data pipelines. Proven track record of improving system performance by 30-40% through optimization of database queries and API architecture. Extensive experience in remote-first environments with asynchronous collaboration across global teams. Specialized in FastAPI, Django, and cloud infrastructure (AWS, GCP), with strong expertise in ETL processes, CI/CD pipelines, and containerized deployments.

Technical Skills

Languages: Python, SQL, JavaScript, TypeScript, Bash

Frameworks: FastAPI, Django, Django REST Framework, Flask, GraphQL, React, Next.js

Databases: PostgreSQL, MySQL, MongoDB, Elasticsearch, Oracle, MSSQL

Cloud & Infrastructure: AWS (ECS, S3), Google Cloud Platform (GKE), Kubernetes, Docker, Docker Compose

Data & ETL: Pandas, NumPy, Airflow, SQLAlchemy, Data Pipelines

DevOps & CI/CD: GitHub Actions, Docker Registry, Automated Testing, Linting, Code Quality Gates

Collaboration Tools: Git, GitHub, Jira, Slack, Zoom

Professional Experience

Senior Python Developer | Causify

December 2022 - Present | Remote

Causify is an enterprise AI platform combining causal AI with intelligent automation for data-driven decision-making.

- Developed and maintained FastAPI microservices processing frequent daily requests for data ingestion and model serving

- Designed and implemented ETL pipelines using Pandas and NumPy, reducing data processing time by 35%
- Built interactive Dash applications for data visualization, enabling stakeholders to analyze complex datasets in real-time
- Architected CI/CD pipelines in GitHub Actions, achieving 95% test coverage and reducing deployment time by 50%
- Managed AWS ECS containerized services and S3 data storage infrastructure
- Collaborated with cross-functional teams using async communication (Slack, GitHub) across multiple time zones
- Contributed to frontend features using React, TypeScript, and Next.js with AI-assisted development

Technologies: Python 3.10+, FastAPI, Pytest, Dash Apps, Docker, AWS ECS/S3/Lambda, Pandas, NumPy, SQLAlchemy, GitHub Actions

Python Backend Developer | SXOPE

May 2022 - December 2022 | Remote

SXOPE is a healthcare platform automating physician daily workflows.

- Developed FastAPI endpoints serving 100+ healthcare providers with sub-100ms response times
- Optimized Elasticsearch queries, improving search performance by 40% for medical record retrieval
- Designed and maintained MySQL database schemas handling 10000+ patient records
- Configured and managed Google Cloud Kubernetes clusters

Technologies: Python 3.10+, FastAPI, MySQL, Elasticsearch, Kubernetes, Docker, Django

Python Backend Developer | Zentist

August 2021 - May 2022 | Remote

Zentist automates insurance revenue cycle management for dental practices.

- Built GraphQL backend APIs processing 10000+ insurance claims monthly
- Developed integrations with 15+ third-party insurance APIs, streamlining claim submissions
- Designed database models optimizing query performance for complex billing workflows
- Wrote comprehensive test suites achieving 85% code coverage

Technologies: Python 3.8+, Flask, GraphQL, MySQL, Kubernetes, Docker

Python Developer | ParticleOne

September 2020 - August 2021 | Remote

ParticleOne provides machine learning-powered financial market data analysis.

- Developed Python REST API client library used by 20+ institutional clients
- Built ETL loaders and data validation pipelines processing 100GB+ daily financial data
- Managed Airflow DAGs orchestrating 30+ scheduled data processing jobs
- Collaborated with data science team to refactor ML model training pipelines
- Administered MongoDB databases and Docker containerized services

Technologies: Python 3.8+, Django, Pandas, Airflow, MongoDB, Docker

Python Backend Developer | AutoCruitment

December 2018 - March 2019 | Remote

AutoCruitment matches patients with clinical trials through an automated platform.

- Developed OpenAPI-compliant REST endpoints for patient-trial matching algorithms
- Implemented database models handling 10000+ patient profiles across PostgreSQL and MongoDB
- Wrote unit and integration tests ensuring reliable API functionality

Technologies: Python, Django, OpenAPI, PostgreSQL, MongoDB

Python Backend Developer | PEAT Technology (Plantix)

June 2018 - October 2018 | Remote

Plantix is a mobile crop advisory app diagnosing plant diseases for farmers worldwide.

- Built Flask backend APIs supporting 500000+ mobile app users globally
- Developed RESTful endpoints for plant disease diagnosis and treatment recommendations
- Integrated machine learning model predictions into production API responses

Technologies: Python, Flask, OpenAPI, PostgreSQL, MongoDB

Python Full-Stack Developer | Orbeliani

February 2018 - July 2018 | Remote

Orbeliani is a Georgian social initiative crowdfunding platform.

- Developed Django backend features and REST APIs for initiative submission workflows
- Implemented payment integration for sponsor contributions
- Managed DevOps tasks including deployment and server maintenance
- Delivered 20+ bug fixes and feature enhancements

Technologies: Python 3.5, Django 1.11, PostgreSQL, HTML5, CSS3, jQuery

Python Developer | Earlier Projects

2017 - 2018

- Developed full-stack web applications using Django, Flask, and various databases
- Built web scrapers and data collection pipelines
- Created voting platforms and community engagement tools

Open Source & Projects

Test Assignments & Code Samples:

- FastAPI Microservices with Celery - XML processing microservice architecture
- Kafka Message Broker for Site Monitoring - Distributed website health checker
- Serverless Kanban Board Backend - AWS Lambda-based API
- REST API Example - Flask, SQLAlchemy, Marshmallow, Alembic

Personal Projects:

- Stupid Chat Bot | GitHub - AI-powered Telegram chatbot with web interface
- CV Profile | GitHub - Personal portfolio site with automated CI/CD deployment pipeline (GitHub Actions, Docker, VPS)

Open Source Contributions:

- pytest-monitor-backend - Flask/MongoDB backend for pytest monitoring
- tldr - Russian translation contributions

Education

Self-taught programmer with continuous professional development through: - Online courses (Coursera, Udemy, specialized Python/ML training) - Technical documentation and official framework guides - Open source contribution and code review participation

Languages

- Russian: Native
- English: Professional working proficiency (B2+)

Additional Information

- Available for full-time remote positions
- Able to work in any time zone
- Experienced in async collaboration across UTC-8 to UTC+8 time zones