Andrei Zavgorodnii

Senior Python Developer

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EXPERIENCE

Senior Python Developer | Newtend | **10/2023 – Present**

FastAPI, MongoDB, Kafka, Celery, Docker

- Architected and built a REST API for a government e-procurement platform from scratch, serving 10K+ users
- Led decomposition of a monolith into event-driven microservices with Kafka, improving scalability and deploy independence
- Optimized MongoDB queries and indexing strategy, reducing API response times by 40%
- Integrated with external government APIs and third-party payment/notification services

FullStack Developer | E-commerce Product | 04/2022 – 10/2023

FastAPI, MongoDB, Airflow, Telegram API

- Built a Telegram bot platform that evolved into a full e-commerce product with web interface
- Developed referral system, promo code engine, and payment integration for the platform
- Implemented Google OAuth and Telegram OAuth for seamless user authentication
- Built an admin dashboard with sales analytics and product management tools
- Designed automated data processing workflows using Apache Airflow

Python Developer | NDA | 07/2021 – 02/2022

Django, DRF, Celery, Redis, PostgreSQL

- Maintained and extended a large-scale Django platform serving enterprise clients
- Redesigned the CI/CD pipeline, accelerating deployment speed by 20x
- Integrated Redis caching layer, reducing average API latency by 30%
- Developed custom features and integrations tailored to enterprise client requirements
- Collaborated with cross-functional teams to deliver product improvements on schedule

TECHNICAL SKILLS

Python | JavaScript | PostgreSQL | MongoDB | AWS | Kafka | CI/CD | FastAPI | Flask | Django | DRF | Git | Docker | Ansible | Jenkins | pytest | LLM Agent | AI Agent | Claude Code

PET PROJECTS

EdTech AI Platform | *FastAPI, WebRTC, Claude API, Whisper*

- Built an AI-powered platform for English tutors to create, manage, and auto-check learning tasks
- Implemented real-time voice sessions using WebRTC, with automatic speech transcription via Whisper
- Designed AI agent pipeline that analyzes lesson transcriptions and generates performance reports for teachers
- Agents evaluate student progress, suggest personalized tasks, and auto-generate exercises based on weak areas
- Built a teacher dashboard with session history, student analytics, and AI-generated improvement recommendations

CERTIFICATES

- Intro in Linux (03/2017 – 03/2017)
- Python: basic (03/2017 – 04/2017)
- Computing Management (05/2018 – 06/2018)

EDUCATION

Simon Kuznets Kharkiv National University

09/2015 – 02/2017

Management of organizations and administration | Master's degree

V. N. Karazin Kharkiv National University

09/2011 – 06/2015

Manager-Administrator | Bachelor of Business Administration – BBA

LANGUAGES

- English — Upper-Intermediate (B2+)
- Ukrainian — Native