

Denys K

Middle Python Engineer, Backend Development & Support

SUMMARY

- Python Developer with 6+ years of experience in backend development and automation: Django (4 years), Flask, and Fast API for web application development;
- Built and supported Telegram bots and automation tools for business operations (dApp Marketplaces, Crypto ATMs, Payments and Casino games)
- Maintaining and supporting production systems using FastAPI and SQLAlchemy, API integrations including financial services and crypto platforms;
- Docker containerization: Docker-compose, Docker via Render (serverless). Deployment and Linux server management (Ubuntu);
- Familiar with data reporting and basic analytics through internal monitoring tools; - Open to part-time and distributed team environments with a focus on ongoing system support.
- Reached the Top 10 freelance Python engineers on the local market at the age of 17 (showcasing early talent and initiative).
- Worked on projects with a multi-million user base, contributing to scalable architecture and high-load system stability.
- Successfully launched an educational platform in the USA, now actively used by students, tutors, and academic institutions.
- Represented the dev team at the international Wefi Beyond Banking Summit, delivering a product presentation to a global fintech audience.

TECHNICAL SKILLS

Main Technical Skills	Python (5 yr.), Django (3 yr.), Mobile development, Flask, API
Programming Languages	Python (5 yr.), Solidity, Threads
Python Libraries and Tools	Aiogram, AsyncIO, pytest, Tortoise ORM, Web3.py
Python Frameworks	Django (3 yr.), FastAPI, FastAPI (5 yr.), Flask
Mobile Frameworks and Libraries	Mini-Apps, Parse (2 yr.)
JavaScript Frameworks	NestJS, Node.js, React
Security	cyber security, DDOS protection
Databases & Management Systems / ORM	MariaDB, MongoDB, MySQL, PostgreSQL, Redis, SQL, SQLAlchemy, SQLAlchemy
UI Frameworks, Libraries, and Browsers	CSS, HTML



Cloud Platforms, Services & Computing	serverless
SDK / API and Integrations	API, FastAPI, pyTelegramBotAPI, RESTful API, Telegram API
Message/Queue/Task Brokers	Celery, Kafka
BlockChain and Decentralized Software	Crypto Services, TON, TonKeeper, Web3, Web3.py
Virtualization, Containers and Orchestration	Docker, Kubernetes
Methodologies, Paradigms and Patterns	FDD
Third Party Tools / IDEs / SDK / Services	Jinja2
Project Management & Administration	Project Management
QA, Test Automation, Security	pytest, QA Automation (3 yr.), Selenium
Platforms	RPA (2 yr.), Telegram Mini Apps
Operating Systems	Ubuntu
Mail / Network Protocols / Data transfer	VPN
Other Technical Skills	BATM, Multiprocessing

WORK EXPERIENCE

Senior Backend Developer, Education Platform

(01.2025 - Present, Remote - USA / Jersey City)

- Joined an existing project aimed at building a comprehensive educational platform connecting private tutors, academic institutions, and students.
- Conducted a full technical audit, restructured the architecture, optimized performance, and implemented scalable solutions.
- Contributions enabled a successful MVP presentation to stakeholders and ensured a stable and timely product launch.

Software Engineer, Web3 Loyalty System & Crypto ATM Operations

(10. 2024 – 01.2025)

Summary: The project involves building a web3-based loyalty system, setting up and maintaining servers, and supporting the operation of cryptocurrency ATMs. It also includes the development of Telegram bots for internal tools and automating operational processes.



Responsibilities:

- Development and support of a web3 loyalty system backend;
- Server setup, administration, and deployment (Ubuntu, VPN);
- Development and maintenance of software components for crypto ATMs (BATM);
- Creation and improvement of Telegram bots for the automation of internal workflows;
- Deployment using Docker and configuration of development environments.

Technologies: Web3, FastAPI, NestJS, Docker, Ubuntu, VPN, BATM, Telegram Bots.

Python Engineer & Telegram Bot Developer, dApp Marketplace

(Apr. 2024 - Sep. 2024)

Summary: The project is a dApp marketplace platform that provides service clients the opportunity to receive airdrops in various web3 protocols, thanks to the automation of participation in drops and passive earnings from this to all participants.

Responsibilities:

- Development and integration of the Telegram chatbot of the project;
- Development of Telegram mini application;
- Support, improvement, and implementation of new options for the backend and frontend parts of the Telegram mini app;
- Integration of payment systems and the TON wallet to the TMA;
- Improvement of UI functionality of the Telegram mini app;
- Performance optimization, database optimization, caching, as well as the collection of statistics on the operation of the platform;
- Working with asynchronous processing with SQL Alchemy;
- Multiprocessing with Uvicorn, process synchronization.

Technologies: Python, Mobile Development, Crypto Services, Telegram Mini-Applications, TON, TonKeeper, fastAPI, MySQL, SQL Alchemy, Multiprocessing.

Python Developer, Crypto project

(2022 - 2024)

Summary: Development of mobile applications, engagement with crypto services, creation of Telegram mini-applications, and support of ongoing projects.

Responsibilities: Creation of mobile applications, working with crypto services, creation of Telegram mini-applications, and ongoing project support.

Technologies: Python, Mobile Development, Crypto Services, Telegram Mini-Applications.

Python Developer, Multiple Python Projects

(2020 - 2022)

Summary: Involved in diverse Python projects including telegram mini-applications, backend work, and development with web3 technologies.

Responsibilities: Implementation of various projects involving telegram bots, backend development, web3 interactions, and payment service development.

Technologies: Python, Telegram Bots, Web3.



Python Developer, NDA

(2019 - 2020)

Summary: Worked with backend systems, developed telegram bots, and automated small business processes.

Responsibilities: Telegram bot development, small business automation, and parsing.

Technologies: Python, Telegram API.

EDUCATION

- **Master's Degree in Computer Engineering & Automation.**

National Technical University

(2023-2026)

- **Bachelor of Computer Engineering**

National Technical University

(2019-2023)

