

Vladimir Korolev

Python Developer & IT Specialist

- Male, 43 years old, born April 4, 1982
 - ☎ +7 (910) 5290750
 - ✈ Telegram: @vov_sn
 - ✉ vovsnmail@gmail.com (preferred)
 - 🔗 <https://github.com/VOVSn>
 - 🏠 Citizenship: Russia, Work permit: Russia
 - ✈ Willing to relocate, willing to travel for business
-

• Work Experience — 18 years 2 months

Python Developer

Freelance / Project Activity, Kaluga

October 2022 — Present (2 years 9 months)

Worked with Python, libraries, and frameworks like Django, DRF. Managed DBMS (SQLite, PostgreSQL) and APIs (REST API, Ollama API, Telegram API, Yandex API, SearXNG search API, etc.). Proficient with Docker, Git, Nginx, Postman, GitHub Actions CI/CD. Repositories for some projects are available at: <https://github.com/VOVSn>

Key Projects:

'Iri-shka assistant'

Voice AI assistant for PC focusing on offline work and local processing (LLM, STT, TTS). Features a desktop GUI, Telegram bot for remote access, and a web interface. Serves as a testbed for a future business version.

Stack:: Python, Ollama, Whisper, Bark, Tkinter, Flask, python-telegram-bot.

'HTML AI Chat'

Single-file HTML web application for chatting with AI models via Ollama. Supports response streaming, Markdown, image uploads, and browser-based chat history saving. Interface allows Ollama parameter customization.

Stack:: HTML, CSS, JavaScript, Ollama API.

'TUTORAI'

Desktop application for private chat with local AI models (Ollama), including an integrated language tutor. Allows language practice through exercises, progress tracking, and image uploads. All data stored locally.

Stack:: Python, Flask, pywebview, Ollama API, JavaScript.

'Screener'

Desktop application for capturing screen areas and sending images with prompts to Ollama for analysis. Supports interactive AI dialogue about images, session saving, hotkeys, and themes. Integrates into the system tray.

Stack:: Python, Ollama API, Pystray, PyAutoGUI, Pillow.

'Telegram Application Submission Bot'

Telegram bot for collecting user applications. Guides users through questions, allows photo uploads, generates a PDF summary of the application, and sends it to administrators. Managed via a pywebview GUI.

Stack:: Python, python-telegram-bot, pywebview, FPDF.

'1111 Words'

Series of web games for language learning through word matching. Flagship multilingual version allows selecting native/target languages, word themes, and game modes (simple, memory). Adaptive design with multiple themes.

Stack:: HTML, CSS, JavaScript.

'SearchBuddy'

Telegram bot that communicates in multiple languages, searches for current information online when its NLP determines insufficient data. Performs deep search and analysis of articles, providing user reports (similar to deepsearch).

Stack:: Python, python-telegram-bot, Ollama API, FPDF, Requests, SearXNG search API.

'TestBot'

Telegram bot for student testing and distributing educational materials. Supports multiple instructors via Telegram interface. Instructors receive student results as report files. Deployed in a container.

Stack:: Python, python-telegram-bot, Docker.

Social Network for Recipe Publication

Social network for publishing recipes, subscriptions, and favorites. Implemented automated image building and deployment.

Stack:: Python, Django, Django DRF, PostgreSQL, Gunicorn, Nginx, GitHub Actions, Djoser, JWT Token.

'VPS Buddy'

Telegram bot for technical consultations on Linux server administration. Uses NLP to understand user requests to connect to VMs/remote servers and execute commands given in natural language (e.g., "install nginx").

Stack:: Python, python-telegram-bot, Ollama API, Paramiko.

'CodeCollect'

Automated utility for codebase collection, README.md generation, and docstring generation for small Python projects. Uses Abstract Syntax Tree (AST) for safe code documentation, ensuring integrity.

Stack:: Python, Ollama API, AST.

Social Network for Pets

Token-authorized social network for sharing information about pets, implemented in containers with automated image building and deployment.

Stack:: Python, Django, Django DRF, PostgreSQL, Gunicorn, Nginx, GitHub Actions, Djoser, JWT token.

Senior System Administrator

[*Kaluga Regional Notary Chamber, Kaluga*](#)

May 2007 — September 2022 (15 years 5 months)

Key responsibilities included:

- Computer network administration.

- Server administration.
- Compliance with legislation.
- Ensuring personal data security.
- Information security administration.
- Training employees in information security.
- Providing consulting services to notaries.
- Technical support for notary offices, including hardware repair and maintenance.
- Working with digital signatures and trusted certification authorities (CRYPTO-PRO).
- Correspondence management.
- Consulting on workflow launch and setup.
- Remote support (TeamViewer, AnyDesk, RDP).
- Researching, installing, and configuring new systems.

Also conducted work to bring information systems in the Notary Chamber and all 56 regional notary offices into compliance. Migrated from file-based DBs to relational DBs, implemented digital signatures and new information systems across all regional notary offices. Participated in dozens of national conferences. Prepared numerous training and methodological materials, presentations, and delivered lectures. Wrote and defended with honors a master's thesis researching the legal and technical aspects of the Unified Notary Information System, and the influence of legislation on technical development and vice versa.

• Education

Master's Degree - Civil Law, Civil Procedure

Kaluga State University named after K.E. Tsiolkovsky, Kaluga

2022

Bachelor's Degree - Organization Management

Branch of the Moscow Humanitarian-Economic Institute, Kaluga

2008

Specialist Degree - Automated Control Systems

Branch of the Bauman Moscow State Technical University, Kaluga

2005

• Courses & Certifications

Python Developer Bootcamp

Yandex Practicum

2025

2023

- Cyber Threat Management
- Endpoint Security
- Introduction to Cybersecurity
- Network Defense
- Networking Essentials

Skills

• Languages

Russian: Native

English: C1 - Advanced

Spanish: B1 - Intermediate

French: A2 - Elementary

• Technical Skills

Linux • Django Framework • Nginx • Django Rest Framework • REST API • Git • Docker • Docker-compose • CI/CD • Python • PostgreSQL • Postman • Bash • Ubuntu • GitHub • Pytest • Software Development • Information Security • Server Administration • Process Automation • Database Management • Natural Language Processing • Unit Testing • Atlassian Jira • Redis • pandas • IPTables • Kanban • aiohttp • Notion

• About Me

I respect the experience, work, and time of others. I can think systematically and decompose tasks. I am fluent in English and possess English business writing skills. I have experience working in foreign companies.

I am interested in neural networks and theoretical physics. My hobbies include sailing yachts, music, traveling, and language learning. I enjoy reading scientific and popular science literature and watching popular science channels in English. I can sing RHCP or Beatles songs at karaoke.

I believe that one can and should learn and develop throughout life. I constantly take various courses and improve my qualifications. I develop pet projects using machine learning and natural language processing related to information security. I have touch-typing skills in English.

Although I am familiar with other programming languages, I chose Python because its level of abstraction allows turning a simple craft into creativity, not to mention automating many routine daily tasks.