DIANA PACHINA

JUNIOR BACKEND DEVELOPER

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SUMMARY

Motivated and technically skilled Backend Developer with experience in building RESTful APIs, working with databases, and developing scalable solutions using Python. Proficient in integrating external APIs, optimizing performance, and implementing logging and debugging techniques.

Experienced with Flask, FastAPI, Django, and SQLAlchemy, as well as databases like PostgreSQL, MySQL, and SQLite. Passionate about designing robust backend architectures and deploying services using Docker and CI/CD. Seeking an opportunity to contribute to innovative projects and expand backend expertise.

SKILLS

- **Programming Languages:** Python (Advanced), SQL (Advanced), Bash (Intermediate)
- **Databases:** PostgreSQL, MySQL, SQLite
- **ORMs**: SQLAlchemy, Peewee
- **Asynchronous Libraries:** Aioamqp, Asyncpg, Aiopg, Redis
- **Operating Systems:** Linux (Ubuntu), MacOS, Windows
- **Frameworks:** Flask, FastAPI, Django
- **Tools:** Docker, GitHub, GitLab
- **Testing:** Unit testing (Pytest), Postman (API testing)
- **Concepts:** API Development, RESTful APIs, OOP, Client-Server Architecture
- **Other:** Logging, Debugging, Problem-Solving, HTTP, JSON

TECHNICAL PROJECTS

Telegram Chatbot with Multi-language Support & GPT-like Responses

Description: Developed a Telegram bot with multilingual support (English, Russian, Polish) for interactive user communication.

Key Tasks:
- Created RESTful API using Flask.
- Integrated GPT-like APIs for dynamic query handling.
- Integrated MySQL for storing user preferences and language analytics.
- Utilized Google Translate API for dynamic message translation.
- Implemented logging and structured error tracking.

Tech Stack: Python, Flask, MySQL, Telebot, dotenv, Google Translate API, logging.

GitHub Repository: https://github.com/diankaaaa21/Telegram_Bot_Assistant.git

Telegram Hotel Search Bot

Description: Developed a Telegram bot for hotel search, integrating an external API for real-time data retrieval and storing user queries in a database.

Key Contributions:
- Engineered the bot's architecture using Python, SQLAlchemy, and Telebot.
- Integrated a REST API for high-performance hotel data retrieval.
- Designed a SQLite database with ORM for query history storage.
- Implemented logging, error handling, and environment variable management for security and stability.
- Optimized the codebase for scalability and maintainability.

Tech Stack:
Python, SQLAlchemy, SQLite, REST API, requests, dotenv, logging, Git, virtualenv, Telebot

GitHub Repository: https://github.com/diankaaaa21/Telegram-Hotel-Search-Bot.git

Metrics API for Resource Monitoring

Description: Designed and implemented a high-performance Django REST API for real-time system metrics collection and monitoring. Built with MySQL for optimized data storage and Docker for seamless deployment.

Key Contributions:
- Developed a scalable RESTful API for efficient metrics ingestion and retrieval.
- Integrated MySQL for structured, high-performance data management.
- Containerized the application with Docker for consistency and easy deployment.
- Implemented robust logging, error handling, and environment-based configuration.
- Automated database migrations and deployments in a Dockerized environment.

Tech Stack:
Python, Django, Django REST Framework, MySQL, Docker, Docker Compose, Gunicorn, dotenv, logging

GitHub Repository: https://github.com/diankaaaa21/monitoring

PROFESSIONAL EXPERIENCE

Junior Specialist in Launch Operations | Jan 2023 - Present

Stellantis financial services Polska Sp. z o.o.

- **Managed and maintained financial databases**, ensuring data integrity and accuracy.
- **Processed and verified** invoice data, optimizing database queries for efficiency.
- **Automated transaction workflows**, reducing manual processing time and minimizing errors.

- **Ensured compliance** with financial regulations by implementing structured data validation techniques.
- **Worked in a fast-paced environment**, handling multiple tasks and optimizing data management processes.

EDUCATION & CERTIFICATION

Kwiatkowski University of Administration and Business in Gdynia, Poland

- Bachelor's Degree in IT Management | Oct 2019 - Jul 2022

Courses and Certifications:
Skillbox: Python Developer (2023)

- Learned Python fundamentals, database management, Flask, Django, code optimization, testing, and API development.

LANGUAGE

ENGLISH - Professional Working Proficiency

RUSSIAN - Native/Bilingual

POLISH - Native/Bilingual

ACHIEVEMENT

- Implemented logging systems, improving debugging speed and application reliability.
- Supported over 1,000 users in Telegram bots with multilingual interfaces.
- Optimized API performance, reducing response time by 30%.

INTERESTS

- Developing pet projects and experimenting with new technologies
- Solving coding challenges on platforms like Skillbox
- Building Bots
- API Development & Integration
- Learning new languages
- Reading and continuous skill improvement
- Learning new programming languages or tools
- Traveling and experiencing different cultures