Daniel Nwosu

PYTHON BACKEND-DEVELOPER

SUMMARY

As an individual, I have a strong inclination towards comprehending the inner workings of various devices and systems. During my childhood, I devoted myself to reading few programming books focused on Delphi and C#. As a teenager, while playing games, my friends and I aimed to create our own in-game server. To accomplish this, we either had to hire someone or acquire the skills ourselves. Due to my limited finances at that time, I decided to learn and build it myself, which also happened to intrigue me. Subsequently, I proceeded to create multiple plugins and mods for various games, and delved deeper into programming. This led me to develop an interest in comprehending the structure of different systems and services and working with them.

EXPERIENCE

Freelance

- Creating mods for games.
- Creating plugins for in-game servers.
- Creating BOTs for telegram and discord servers.

Five Systems Development
Python Backend-Developer | August 2022 - March 2023

- Designing and creating a scraping application.
- Designing and creating websites (Python, Django, Flask, sqlAlchemy, Jinja2, CSS, HTML, Bootstrap3-5).
- Designing and creating a backend for a global mobile application. (Python, FastAPI, Django, sqlAlchemy, alembic, pydantic, Firebase, Twillio)

Pet projects

- Simple .pdf converter to .mp3. (Python, gTTS, pdfplumber)
- A few bots in telegram for automatization of business. (Python, pyTelegramBotAPI, sqlAlchemy)
- Website for tattoo studio. Landing page with contacts, news, shop, gallery.

EDUCATION

SELF EDUCATED
2020-2022
C, C++, Python (Algorithmization, Patterns, Structures, Core, External libraries)

LIBRARY
Books I have read:
- "Serious Python ("Black Belt Advice on Deployment, Scalability, Testing) - Julien Danjou
- "Gang of four" (Design Patterns: Elements of Reusable Object-Oriented Software)
- "Grokking Algorithms" - Aditya Y. Bhargava
- "Introduction to Algorithms" - Thomas H. Cormen
- "PostgreSQL Basics" - E.P. Morgunov
- "Programming introduction (C++)" (1,2,3 tomes) - A.V. Stoliarov

Profile:
Born date: 04/24/1996
City: Ukraine, Vinnitsya

Objective:
My goal is to enhance my capabilities as both a Python developer and C++ engineer, in order to gain exposure to a professional work setting and enhance my technical proficiency.

Hard skills

Main language:
Python 3 (FastAPI, sqlAlchemy, pydantic, Flask, Flask-RESTful, Flask-SQLAlchemy, REST, Jinja2, BeautifulSoup4, unittest, Django, Scrapy, alembic)

Base syntax:
C, C++, HTML, CSS, YAML, JS, TS

Version Control:
Git

Other skills:
Linux, Redis, MongoDB, Docker, MySQL, PostgreSQL, AWS, SQLite, Postman, Uvicorn, Gunicorn, Nginx.

English:
Intermediate (B2)

Soft Skills:
- Stress-tolerant in a dynamic environment
- Detail-oriented
- Critical thinking

Contacts:
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PROJECTS

MustHaveTattoo Bot
Solution for automatization business with client interaction.
Python, PyTelegramBotAPI, sqlAlchemy, Heroku, Git.

August 2022 – August 2022
Back-End developer

- Create wrapper.
- Design the database structure to meet performance requirements.
- CI/CD and deployement.
- Design projeect architecture.
- Implement user management system.

MustHaveTattoo Website
Solution for automatization sales and client interaction.
Python, Flask, Fastapi, sqlAlchemy, Pydantic, Railway, Git,
Jinja, Angular, Postgres, Docker, Gunicorn, Nginx.

February 2023 – March 2023
Full-stack developer

- Design projeect architecture.
- Design the database structure to meet performance requirements.
- CI/CD and deployement and Nginx configuration.
- Implementation payment processor based on LiqPay and Fondy services.
- Implement admin system.
- Implement repositories.
- Configure web servers (middlewares).
- Create and implement design for a website.

VOLT
Solution for infrastructure. Monitoring power situation in
runtime.
Python, Fastapi, sqlAlchemy, AWS, Git, PostgreSQL, Docker,
Nginx, Alembic, Firebase, Twilio, BS4.

December 2022 – February 2023
Back-End developer

- Implement REST API for service.
- Scraping websites.
- Implement repositories.
- Implement intefrace and wrapper for third-patry API integration.
- Design database structure.
- Implement user authentication and authorization service.

Under NDA
Solution for sales and company management.
Python, Fastapi, Django, sqlAlchemy, Scrapy, AWS, Git,
PostgreSQL, Docker, Nginx, Alembic, Celery, RabbitMQ,
BS4.

September 2022 – March 2023
Back-End developer

- Refactor project.
- Implement API (Swagger, DRF) and create crawlers .
- Integration with sales service.
- Implement repositories.
- Implement wrapper and handlers for third-patry API integration.
- Design database structure.
- Fixing bugs.

Hobies:

During my leisure time, I enjoy taking a break from work to clear my mind. If I feel energized, I usually engage in activities that keep me active. My hobbies revolve around staying active and fit, and I particularly enjoy engaging in sports that allow me to achieve that. Shooting exercises at the range with my friends are also a favorite pastime. Additionally, I relish the opportunity to travel and explore new things.