

Daniel Nwosu

SOFTWARE ENGINEER

SUMMARY

Throughout my life, I've had a fascination for learning and understanding the inner workings of various devices and systems. During my childhood, I was intrigued by reading programming books on Delphi and C#. While playing video games as a teenager, my friends and I wanted our own in-game server which we either had to hire some to build for us or do it ourselves. I took on the challenge of learning the required skills and built it myself. Subsequently, I created numerous mods and plugins for various games and continued to delve deeper into the world of programming. I started my professional programming career working with Python. I look forward to continuing my software engineering journey in the Python and Node ecosystems and advancing my architecture, development, and technical leadership skills while staying up to date with the newest technologies.

EXPERIENCE

Lampa Software

Software Engineer | September 2023 - Present

- Implemented high traffic APIs.
- Enhanced and updated current features.

Five Systems Development

Software Engineer | August 2022 - September 2023

- Designed and developed high traffic REST API.
- Creating code solutions for sales businesses.
- Designing and creating a backend for a global mobile application.

Side projects

- PyCommon - library with common tools for python developers.
- AI Dashboard - REST API protected by OAuth used to make crypto currency price predictions.

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 volumes) - A.V. Stoliarov

Contacts:

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Profile:

Born date: 04/24/1996

City: Ukraine, Vinnitsia

Techologies stack

Common languages & frameworks:

- Python3
- FastAPI
- SQLAlchemy
- Pydantic
- Flask
- Django
- Linux
- Redis
- MongoDB
- Docker
- PostgreSQL, MySQL
- AWS (EC2, RDS, AR)
- Uvicorn, Gunicorn, Nginx
- Git

Familiar with technologies:

C, C++
HTML5, CSS
JavaScript, TypeScript

Spoken languages

- English Advanced (C1 grade)
- Ukrainian - Native
- Russian - Native

Hobbies:

When I'm not coding, I enjoy spending time in nature and staying active. My hobbies include camping, hiking, and doing drills at the shooting range with friends. These activities are refreshing and help clear my mind and stay healthy. When I'm resting from these physical activities, I like to play games. I've met a lot of great friends from the gaming community. I also love the opportunity to travel, learn about other cultures, and have new experiences.

PROJECTS

Must Have Tattoo

Solution for business automatization with client interaction, developed a tool that expands the business audience.

Tech stack:

Python, Flask, FastAPI, SQLAlchemy, Pydantic, Railway, Jinja2, Angular, Postgres, Docker, Unicorn, Nginx, PyTelegramBotAPI, Heroku.

August 2022 – March 2023

Software Engineer

- Designed the database schemas to meet performance requirements.
 - Configured CI/CD and inter-service communication.
 - Configured WSGI and ASGI web servers.
 - Designed project architecture.
 - Implemented user management system.
 - Implemented OAuth signup and login for multiple platforms.
 - Designed and implemented interface for third-party application integrations.
 - Implemented payment systems, such as LiqPay, Stripe, Fondy.
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VOLT

Solution for monitoring power infrastructure in real time.

Tech stack:

Python, FastAPI, SQLAlchemy, AWS (RDS,AR), PostgreSQL, Docker, Nginx, Alembic, Firebase, Twilio, BS4.

December 2022 – February 2023

Software Engineer

- Designed and implemented high traffic REST API.
 - Implemented scalable web crawlers for collecting data in real time.
 - Designed the database schemas.
 - Implemented user management system.
 - Implemented OAuth signup and login for multiple platforms.
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Under NDA

Solution for sales and company management.

Tech stack:

Python, FastAPI, Django, SQLAlchemy, Scrapy, AWS(EC2), PostgreSQL, Docker, Nginx, Alembic, Celery, RabbitMQ, BS4.

September 2022 – March 2023

Back-End developer

- Enhanced and updated current project modules.
- Implemented API (Swagger, DRF) and created crawlers .
- Established an integration with sales service.
- Created tools and features for stakeholders within the company.
- Supported the Data Science team by providing development infrastructure, other tools, and data necessary for analysis.