Viktor Andriichuk

Python Backend Software Engineer with experience in Data Engineering / ML / DevOps
3 years of experience in Python Backend Engineering from 6 years of different experience in IT as an engineer

Contacts:

Personal web-site: https://vandriichuk.com/python-software-engineer/
GitHub: https://github.com/vvandriichuk
LinkedIn: https://www.linkedin.com/in/viktor-andriichuk-backend-expert/
E-mail: v.andriichuk@gmail.com
Telegram: @vandriichuk
Location: Romania, Baia Mare

Technical skills:

Python, FastAPI, Flask, RESTful API, MongoDB, PostgreSQL, Mongo Engine, Pydantic, Celery, Docker, Alembic, Redis, RabbitMQ, Unittests, pytest, OpenTelemetry, LLM, LangChain, LangGraph, ElasticSearch, Git, GitHub Actions, Streamlit, Nginx, CI/CD by GitLab, AWS Glue, AWS Athena, AWS Aurora, AWS StepFunctions, AWS RedShift, AWS Quicksight, AWS S3, AWS Lambda Functions, OpenSearch, Spark, Snowflake, dbt, Great Expectation, numpy, Airflow.

Professional Experience

Project:	Consulting Services
Period:	10.2023 - 04.2024
Role:	Python Backend Software Engineer, Solution Architect, Team and Tech Lead
Achievement, Pride	Gart Tech – the chat bots solutions with deep using LLM. I held the position of tech/team lead of a team of 15 developers.

- Reduced QA errors with new CI/CD processes with validate the code with tests, with libs like ruff, mypy and others; with AI Code Review Assistant, with manual code review;
- Assembled a team for a new project, which successfully launched MVP in 2 months;
- Successfully performed the role of communicator between stakeholders and the development team;
- Hired several excellent programmers for the team;
- Conducted ten performance reviews, which helped the company avoid losing several developers and find them more exciting tasks. Thanks to these reviews, the developers gained growth in their skills; I fired several developers;
- Fired non-performed developers.

PICHE/HOTCODE – the biggest Latvian construction company/the IT department of the company. The project - to integrate LLM agent into all internal CRM processes of this large company:

- While working on the CRM for internal use in the company, I implemented the LLM so that users using natural language could manage various processes in the CRM. As a result, this increased employee engagement in working with SRM by 50% and also reduced time spent on routine tasks;
- Introduced OpenTelemetry Collector into the project for automatic logging of all processes in the code, including errors, with the help of which dashboards were built that showed the project's status and signalled the occurrence of critical mistakes in the code. this increased the speed of finding and fixing errors by 200%;
- I implemented a TDD in the project, which reduced the number of bugs by 50%.

Data Platform for viewing cryptocurrency mining farm operation statistics:

- I communicated closely with the project stakeholders to collect requirements, designed a data collection and storage system, and quickly developed this system for parsing data for many coins, storing it in Mongo and bringing it to production. This allowed the stakeholders to attract investment.

Data Platform for Insights for Fabiosa Media - the top #4 Facebook media publisher in the world:

- I created a platform where businesses can find insights into their data and build dashboards and recommendations from Gen AI. It helps to decrease the time for making decisions.

Project:	Clip Translator – a startup, pet-project for automatisation translation video to different languages, reached hundreds of users in the first month after launch
Period:	04.2023 – 12.2023 (Pet project, was published and has customers)
Role:	Tech Lead, Solution Architect, Python Backend Software Engineer, ML engineer, DevOps
Achievement, Pride	• I streamlined the project delivery to production through well-configured CI/CD processes, ensuring smooth and efficient updates and deployment of the application. • I constantly seek ways to increase the speed of data processing, primarily through more optimal algorithms and parallelism. • I designed and implemented a scalable microservices architecture capable of handling high loads for video processing. • Reduced video dubbing costs by 10-100 times through sentence-level optimisation and efficient ML techniques, making Clip Translator a cost-effective solution in the market.
Project:	Deloitte V360 – a big analytics platform for one of the biggest consultant groups in the world
Period:	02.2023 – 10.2023
Role:	Big Data Engineer, Machine Learning Expert
Project:	NDA – a network of sites for health care (Global Logic)
Period:	11.2021 – 02.2023
Role:	Python Software Engineer, Data Engineer
Responsibilities included:	While working at the company, I actively created internal frameworks for integration with Apache Airflow, monitoring data quality and testing analysts' SQL scripts. By using pytest during the development process, I ensured our code's high stability and reliability while speeding up the verification and bug-fixing processes. • I developed a service that interacts with networking sites where users express opinions on health topics. The main task of the service was to search for spam among comments and generate content recommendations for the user. To implement this task, I used FastAPI and models created by our data scientists. To increase the efficiency and speed of the system, I actively applied optimisation algorithms and integrated the numpy library into the data processing process.
Project:	PepsiCo – Southern Africa, Australia branches (Provectus)
Period:	03.2021 – 11.2021
Role:	Data Engineer
Project:	Appen – Quality AI training data for the AI lifecycle (Provectus)
Period:	06.2020 – 03.2021
Role:	Data Engineer
Project:	Analitycs Dashboards (Provectus)
Period:	03.2020 – 06.2020
Role:	Python developer
Responsibilities included:	AWS S3, AWS Glue, AWS Athena, AWS Quicksight, AWS S3, AWS Lambda Functions (Python for collect data and save to S3)
Project:	BSG – automatic marketing campaings' global company
Period:	01.2017 – 03.2020
Role:	Python Backend Developer, Machine Learning Developer
Responsibilities included:	AntiSpam Machine: As a Python and machine learning developer for BSG, I built an AntiSpam microservice for a marketing platform using FastAPI, MongoDB, Redis and machine learning algorithms. In addition, a microservice was developed to control the operation of AntiSpam. • Data Lake and DWH: As a Python Back-end Developer and Data Engineer for BSG, I built a data warehouse from scratch and developed ETL pipelines to store data from online stores in the Data Lake in real-time.

• Recommendation System: As a Python developer and data scientist at BSG, I developed a recommendation engine using machine learning algorithms and created a microservice for an online store's recommendation system in Flask.
• Chat-bot: As a Python developer for BSG, I created a chatbot solution targeting Telegram and Facebook Messenger.

Education:

Institution:	Kharkiv National University of Radio Electronics
Qualification(s):	Data Science, Master's degree
Institution:	EPAM Master’s Program
Qualification(s):	Big Data Cource, Masters Program
Institution:	National Technical University of Ukraine 'Kyiv Polytechnic Institute'
Qualification(s):	Applied Mathematics, Master's degree
	And a lof of different professionals courses.

Domains, Directions: Telecom (SMS-, Email-marketing), Social Media, Health Care, E-commerce, Gaming, Agro.

Languages: English – Upper-Intermadiate; Turkish – A2; Ukrainian, Russian – Native; Romanian – A2.