

Syune Shakaryan

Yerevan, Armenia | syuneshakaryan@gmail.com | linkedin.com/in/syuneshakaryan

ABOUT

Python Developer with 1.5+ years of experience in building backend systems, data pipelines, and machine learning models using Python. Skilled in developing REST APIs, data processing workflows, and automation systems in fast-paced environments. Familiar with AI-assisted development tools and modern AI concepts including Large Language Models (LLMs), and AI agents. Passionate about leveraging AI-driven development to build scalable backend systems and intelligent software solutions.

TECHNICAL SKILLS

Languages: Python (AsyncIO, Multiprocessing), C++, SQL, Bash
Backend APIs: FastAPI, Flask, RESTful APIs, Web Scraping (Selenium, BeautifulSoup)
Data ML: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, LLMs & Prompt Engineering
DevOps Tools: Docker, AWS (S3), Git/GitHub, Linux/Terminal, CI/CD Pipelines
Data Engineering: ETL Pipelines, Data Parsing, Data Cleaning & Normalization

EXPERIENCE

- | | |
|---|---|
| Algotitan
<i>Python Developer</i> | March 2025 – Present
<i>Yerevan, Armenia</i> |
| <ul style="list-style-type: none">– Joined at an early-stage startup and scaled core automation and data infrastructure to support company growth.– Took ownership of backend systems and operations automation, delivering results in a fast-paced environment.– Developed and deployed trading automation software.– Engineered a high-performance data processing pipeline using Pandas and NumPy to handle large financial datasets. | |
| Python Engineer (Contract)
<i>Remote</i> | Dec. 2024 – Feb. 2025
<i>Remote</i> |
| <ul style="list-style-type: none">– Architected a custom backtesting engine using Python (Pandas, NumPy) to simulate investment strategies on historical datasets.– Implemented Object-Oriented Programming (OOP) principles to create modular, reusable code for strategy testing.– Visualized performance metrics using Matplotlib, directly assisting in the optimization of algorithmic logic. | |

PROJECTS

- BBC News Archive Scraper** | *Python, Selenium, Requests, SQL*
- Developed a scalable web scraper to collect both latest and historical news articles, handling deep archive pages.
 - Implemented **Selenium-based** dynamic content loading to handle JavaScript-rendered pages and designed User-Agent rotation to prevent IP blocking.
 - Optimized navigation logic to efficiently scrape and store large volumes of historical data into SQL/CSV formats.
- Lead Generation Web Crawler** | *Python, BeautifulSoup, SQL, Regex*
- Built a multi-threaded data parser to extract structured contact information from target websites.
 - Integrated **DNS** and **Regex-based** filtering to improve data quality, implementing strict data cleaning and normalization logic.
 - Ensured compliance with `robots.txt` and rate-limiting policies while managing SQL data deduplication.
- Machine Learning Competition Participant** Nov. 2024
BIOPTIC
- Participated in a machine learning competition predicting cardiotoxicity of drug molecules from SMILES strings.
 - Engineered molecular features for effective chemical representation.
 - Built a binary classification model using **PyTorch Geometric**, **scikit-learn**, and **RDKit**.

EDUCATION

Yerevan State University

Sept. 2023 – Present

B.Sc. in Informatics and Applied Mathematics

Yerevan, Armenia

- **Relevant Coursework:** Calculus 1-4, Abstract Algebra, Linear Algebra, Discrete Mathematics, Computer Networks, Data Structures, Machine Learning.

“I” Educational Foundation

Sept. 2020 – Sept. 2023

Data Science and Machine Learning Course

Online

- Completed comprehensive coursework covering data preprocessing, exploratory data analysis, machine learning algorithms, and model evaluation.

LANGUAGES

Armenian (Native), **English** (C2 - Proficient), **Russian** (B1 - Intermediate)