

ALEX SHVACHKO

DATA ENGINEER, SOFTWARE DEVELOPER

SUMMARY

I'm a final-year [Data Engineering student](#) with over 5 years of hands-on Python experience and more than 1 year of production-level software development using .NET Core, C#, and SQL. [I've built and maintained backend systems](#) that handle big data, gaining a strong understanding of data flow, reliability, and performance in live environments. I bring rich personal experience in building scalable automations and data workflows using tools like n8n, Make, and cloud services such as GCP.

While I'm not a frontend developer by education, I have practical familiarity with HTML, CSS, and JavaScript, which I often use to build quick dashboards or small-scale tools. [My real strength lies in constructing smart, flexible pipelines](#) and integrating APIs to automate tasks and move data efficiently through complex systems.

I'm deeply interested in the evolving world of AI and LLMs, with [experience in training, fine-tuning, and evaluation of models](#). I've built complex AI-driven workflows in n8n, integrating GenAI components, triggers, and automations — knowledge I gained through academic, personal, and professional projects. In my spare time, I enjoy building creative pipelines in ComfyUI (Stable Diffusion) and experimenting with LLM-based automations. Currently, I'm looking to grow within a challenging, innovation-driven environment as a [Data Engineer](#).

MAIN SKILLS

- Python computing(5+ yrs)
- C#/.NET .NET Core, SQL, REST (1+ yrs development experience)
- Data Science experience
- JavaScript, HTML/CSS(vibe level)
- Fammiilar with Java, C and C++ backend, advanced R
- ETL(3+ years): SSIS, Talend
- Experienced with AWS and GCP
- EDA, Dashboards: Power BI, Streamlit
- Experienced in automation: n8n, Make, Zapier
- Strong experience with NoSQL databases(especially MongoDB, MinIO, Redis, Cassandra, Neo4j)
- Proficent with all popular SQL DB's(Postgre, SQL-Server, MySQL)
- ML Tools: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, XGBoost, LightGBM, Optuna
- Big Data: Spark, Hadoop
- NLP, Sentiment Analysis, RAG, IR, LoRA training, Stable Diffusion
- Experienced building data pipelines
- Docker(advanced), Kubernetes
- DevOps, CI\CD: Git, GitHub Actions
- Linux(advanced), Bash(advanced), Slurm
- LLM APIs (OpenAI, Anthropic, Gemini, Ollama)
- GenAI, AI Art
- Databricks, DataProc
- Cyber Security Enthusiast
- Experienced with Databricks
- Advanced SQL Experience
- AI Agents, AgentKit, Tools
- Prompt Engineering(advanced)

EXPERIENCE

SOFTWARE ENGINEER (DATA/ML FOCUS)

Millimedical Solutions(startup), 2024-present

- Designed and optimized a large-scale data pipeline (C#, SQL, Python) for longitudinal medical analytics, reducing query time by 60% for efficient processing of 1B+ rows.
- Improved research efficiency through optimized C# and SQL pipelines, leveraging Python, DevOps tools, and Linux/SLURM.

DATA SCIENCE INSTRUCTOR

Cyber Education Center, 2023-2024

- Tutored 40+ students in Python and core AI concepts, reducing dropout by 20%.
- Became collaborative team player with excellent communication abilities.
- Developed advanced AI driven pipeline for automating student homework reports.

EDUCATION

BEN-GURION UNIVERSITY OF NEGEV

B.Sc. in Data Engineering, 2022 - present

- Final-year student with hands-on experience in data engineering. Accepted without psychometric score based on exceptional performance.
- **Current GPA: 80 (2025)**

AMIT HIGH SCHOOL BEER-SHEVA

High School Diploma, 2016-2019

- Graduated with honors, ranked among top 5 students. **GPA: 116**
- Twice went to finals of SKILLZ hackaton(2018–2019).

ARMY SERVICE

- Volunteered to IDF and completed a full mandatory service from 2019 to 2022 as combat driver at West Bank.

LANGUAGES

- [Hebrew \(fluent\)](#)
- [Russian\(native\)](#)
- [English \(fluent\)](#)
- [Ukranian\(native\)](#)

CONTACT

Email: alex.shvachko.wrk@gmail.com

Phone: 9720587380259

LINKS

[Personal Website](#)

[LinkedIn](#)

[GitHub](#)