Dmytro Babarytskyi

Junior Software Developer

Computer Science student at NURE with hands-on experience in Java, C#, C++, Python, JavaScript, and TypeScript. Built several academic and personal projects using Spring, React, and Unity. Experienced in designing and optimizing database schemas for both relational (MySQL, PostgreSQL) and NoSQL (MongoDB) systems. Passionate about software development, always eager to learn and grow in a collaborative environment.

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📍 Kharkiv, Ukraine

in linkedin.com/in/dmytro-babarytskyi-547296336

○ github.com/DmytroBabarytskyi

SKILLS

Software Development

Web Applications

Data Engineering

Data Modeling

Leadership   Teamwork

Problem Solving

LANGUAGES

Ukrainian
Native or Bilingual Proficiency

English
FullProfessional Proficiency

French
LimitedWorking Proficiency

INTERESTS

Reading   Chess

Playing guitar

Traveling   Sport

Learning languages

WEBSITE

🌐 https://dmytrobabarytskyi.github.io

EDUCATION

Computer Science
KHARKIV NATIONAL UNIVERSITY OF RADIO ELECTRONICS
09/2023 - Present,

Kharkiv, Ukraine; Bachelor of Science (Expected 2027); GPA - 95.65

Courses

□ Object-Oriented Programming
□ Computer Design Technology
□ Organization of Data Bases
□ Data Mining

Law
Yaroslav Mudryi National Law University
09/2023 - Present,

Kharkiv, Ukraine; Bachelor of Laws (Expected 2027)

PERSONAL PROJECTS

Currency ETL Pipeline (09/2025 – Present)
□ A data pipeline (Python, Airflow, PostgreSQL, Docker, Telegram Bot API) for collecting and analyzing exchange rates from the National Bank of Ukraine API.
□ — Implemented full ETL workflow: extraction (JSON), transformation (cleaning, derived fields, Parquet), loading into PostgreSQL. Designed SQL queries for analytics (average, min/max, latest rates, recent changes).
□ — Deployed with Airflow DAGs and Docker Compose (Postgres + PgAdmin + Airflow).
□ — Integrated Telegram bot for daily delivery of reports and charts.

Personal Landmarks (07/2025 - Present)
□ A location-based service (Python, Next.js, React, TypeScript, MongoDB) where users can pin and describe their favorite spots on a map. Implemented core features for saving and categorizing locations with photos.
□ — Designed database structure with MongoDB to support future machine learning integration.
□ — Future work: applying scikit-learn algorithms for intelligent place recommendations.

AidFlow (02/2025 - 07/2025)
□ A cross-platform application (Java + Spring Boot, Node.js + React + TypeScript, PostgreSQL) connecting donors and aid seekers for targeted charity assistance. Designed full system architecture and database schema.
□ — Conducted pre-project analysis and built IDEF0, IDEF1X, Use Case, Class, Activity, and Sequence diagrams.
□ — Implemented REST API and responsive frontend interface.

SWManager(09/2024 - 01/2025)
□ A web app (Java + Spring, HTML, CSS, JS) for managing and storing scientific works.
□ — UI for document management and search.

ORGANIZATIONS

Kharkiv National University of Radio Electronics: Group Leader (09/2023 - Present)
Elected as group leader responsible for communication between students and faculty, coordinating academic schedules, and representing the group in university matters.

Student Senate, Kharkiv National University of Radio Electronics: Member (09/2023 - Present)
Engaged in university-level decision-making, organizing student events, and promoting student rights and interests.

CERTIFICATES

CCNA: Introduction to Networks (02/2025-05/2025)
Cisco Networking Academy program

Algorithmic Techniques and Programming (09/2023 - 01/2024)
Wildau-Kharkiv IT Bridge II – DAAD "Digital Ukraine" Programme; Grade: 98%

Theory of Algorithms (09/2023-01/2024)
Wildau-Kharkiv IT Bridge II – DAAD "Digital Ukraine" Programme; Grade: 99%

ACHIEVEMENTS

High achievement and motivation in learning (09/2023 - Present)
Ranked in the Top 3 of the faculty scholarship rating for 2 consecutive years; Achieved 1st place in the faculty academic ranking twice; Maintained a GPA of 95–96 / 100 throughout studies