



Name	Mykola Khmaruk
Position, Department/Faculty	Assistant lecturer of the Department of Information Technologies of Design
Academic Degree, Academic Title	Specialist in Engineering
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ResearchGate:	-

EDUCATION:

Basic education (university, major, year of graduation):

National Aerospace University “Kharkiv Aviation Institute” – Kharkiv, Ukraine

Specialist’s degree in the educational program “Standardization. Certification. Quality” [2004 - 2005]

National Aerospace University “Kharkiv Aviation Institute” – Kharkiv, Ukraine

Bachelor’s degree in the educational program “Aviation and cosmonautics” [1998 - 2002]

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

National Aerospace University “Kharkiv Aviation Institute” – Kharkiv, Ukraine

Assistant Lecturer of the Department of Information technologies of Design [2025 - Current]

Nix Solutions, Ukraine

Technical Leader, Data Engineering [2023 – Current]

Nix Solutions, Ukraine

Senior Data Engineer [2022 – 2023]

Nix Solutions, Ukraine

Senior Software Engineer, Web Development [2018 – 2022]





Nix Solutions, Ukraine

Middle Software Engineer, Web Development [2016 – 2018]

Teaching Experience:

National Aerospace University “Kharkiv Aviation Institute” – Kharkiv, Ukraine

Assistant Lecturer of the Department of Information technologies of Design [2025 - Current]

TEACHING ACTIVITIES:

Courses Taught:

Cloud Technologies

Python Basics

Author Courses, Academic Programs:

Cloud Technologies

Python Basics

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

- [Configuration Driven Development](#)

ADDITIONAL INFORMATION:

Language Proficiency:

English - B2

IT Skills:

Data Engineering, Web Development

Databases: BigQuery, Oracle, Snowflake, MySQL, MongoDB, PostgreSQL, SQL Server

Cloud Technologies: AWS (Glue, EMR, S3, EKS, ECR, Athena, Lambda), GCP, Confluent

Programming Languages: Scala, SQL, Python, Java, Lua

Tools and frameworks: Docker, Spark/pyspark/snowpark, pandas, Kafka, Kafka Connect,

Spring, Okta, Fast API, Kubernetes, Kong Gateway, Linux, bash scripting, docker compose

CI/CD tools: Terraform, Bitbucket Pipelines, Jenkins



NATIONAL AEROSPACE UNIVERSITY
«KHARKIV AVIATION INSTITUTE»

