

ILLYA FEFELOV

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PROFESSIONAL SUMMARY

MLOps / AI Engineer with 10+ years in IT spanning full-stack development, front-end product delivery, workflow automation, and recent Data Science training. Hands-on with Python, Docker, Kubernetes, Airflow, MLflow, Terraform, LangChain, OpenAI SDK, RAG pipelines, API integrations, ETL, and real-time data workflows. Experienced in building digital products, automation solutions, and data-oriented systems with a strong foundation in software engineering, deployment workflows, cross-functional delivery, and practical problem-solving. Targeting MLOps, AI Engineering, LLMOps, AI integrations, and data / ML infrastructure roles.

TECHNICAL SKILLS

Programming: Python, JavaScript, TypeScript, Java MLOps / DevOps: Docker, Kubernetes, Git, CI/CD, Airflow, MLflow, Terraform Machine Learning / Data: Scikit-learn, Pandas, NumPy, Polars, TensorFlow, PyTorch, ETL, data preprocessing, model training, model evaluation, data visualization AI / LLM: LangChain, OpenAI SDK, RAG pipelines, vector databases, Weaviate Data / Backend: PostgreSQL, MongoDB, REST APIs, API integrations, real-time data pipelines, automation workflows, authentication systems, CMS platforms Frontend / Product Engineering: Vue.js, Nuxt 3, HTML, CSS, Tailwind

CORE COMPETENCIES

MLOps, workflow automation, AI integrations, ETL, model experimentation, API integrations, deployment workflows, cross-functional product delivery, real-time data processing, digital product development.

PROFESSIONAL EXPERIENCE

Full-Stack Developer & Designer

Full-Iron Design, LLC | Kyiv / Vilnius | 2013 - Present

- Built and maintained CMS-based web products, API integrations, and automation workflows across digital delivery projects.
- Developed real-time data aggregation pipelines and ETL workflows that reduced manual labor by 20%.
- Implemented deployment processes and secure authentication flows to improve delivery consistency and application reliability.
- Led a scraper ETL project initiative that facilitated more than UAH 7 million in net profit in 1 year.

- Delivered end-to-end implementation across frontend, integrations, content systems, and automation-oriented business workflows.

Vue.js Developer

StayGroup (formerly GameX) | Kyiv | Aug 2022 - Sep 2023

- Developed and maintained frontend features for high-traffic consumer-facing digital platforms.
- Supported multiple live products through feature delivery, maintenance, and interface improvements.
- Delivered production features using Vue 3, Nuxt 3, Tailwind, FormKit, Pinia/Vuex, and REST API integrations.
- Contributed to production releases in a collaborative environment with strong product and delivery requirements.

Project Coordinator / Developer (Part-time)

Tetis MB | Vilnius | 2020 - 2025

- Contributed to digital, branding, and product delivery for a trading and building company operating in Germany.
- Combined coordination, design, and implementation support across web, content, and business-facing workflows.
- Supported automation-oriented project work in a distributed, part-time collaboration model.

SELECTED PROJECTS

Data Science and ML Portfolio Projects

Role: Developer

- Built data analysis and machine learning projects using Python, Pandas, NumPy, and Scikit-learn.
- Performed data preprocessing, visualization, feature preparation, model training, and evaluation across portfolio work.
- Used project work to demonstrate practical understanding of data workflows and reproducible ML experimentation.
- Portfolio samples: GitHub

Agentic Trading Management Thesis Track

Role: MSc Student / Project Author | 2024 - Present

- Developing an in-progress thesis project around agentic trading management within the MSc in Data Science program.
- Exploring Python-based ML workflow concepts and MLOps-oriented tooling, including Dagster and PydanticAI.
- Applying academic work to strengthen practical understanding of AI workflows, orchestration, and deployment-oriented thinking.

Brancher.io Chrome Extension

Role: UI/UX Designer & Front-end Developer | 2015 - 2018

- Helped build a Chrome extension that visualized browsing history as interactive graphs.
- Worked in a four-person team on interface design, front-end implementation, and product interaction flows.
- Technologies: AngularJS, HTML5, SASS, D3.

EDUCATION

MSc in Data Science

Neoversity - Woolf | Online | Mar 2024 - Present

- Focus: Python, algorithms, machine learning, data visualization.
- Thesis track in progress: Agentic Trading Management.

Master's in Software Engineering (Program Engineering)

MAUP - Double Degree Program | 2024 - Present

BA in International Marketing Management

Hanze University - IBS, Groningen, Netherlands | 2007 - 2012

Exchange Program

Langham Creek HS, Houston, TX, USA | 2006 - 2007

COURSES & CERTIFICATIONS

- Data Science Bootcamp, DanIT | 2020 - 2022

LANGUAGES

- English: Fluent
- Ukrainian: Native
- Russian: Native