

Konstantin Krasovitskiy

(Curriculum Vitae)

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I. PROFESSIONAL SUMMARY

- Software Engineer experienced in back-end/front-end development, API design, and microservice-based systems.
- Strong background in QA Automation (Playwright/C#, Selenium/Java, K6) with hands-on experience in Linux, Docker, and server environments.
- Skilled in Python (Flask/FastAPI), JavaScript, SQL, REST APIs, and containerized deployments used in research and industry projects.
- Experienced in VM provisioning, lab server operations, and integrating open-source LLM and vector DB stacks.
- Reliable, collaborative, and adaptable, with a focus on maintainable software, clear communication, and clean documentation.

II. EDUCATION

B.Sc.	Computer Science, University of Cyprus	09/2021 – 06/2025
	Specialization: Big Data and Internet Computing	
M.Sc.	Artificial Intelligence, University of Cyprus	09/2025 – Present

III. TECHNICAL SKILLS

- **Software Engineering:** Python, JavaScript, Java, C#, RESTful API development, Microservices, Git, CI/CD exposure
- **Web & Backend:** Flask, FastAPI, Django (basic), HTML5, CSS3, JQuery, Bootstrap
- **QA & Automation:** Playwright (C#), Selenium (Java), K6 (+ basic Go extensions), Test design, Regression/Exploratory
- **Server & Infra:** Linux, Docker, Docker Swarm, Bash, Nginx/Apache (basic), VM provisioning
- **Data & AI:** SQL, ChromaDB, Open-source LLMs, API integration
- **Tools:** VS Code, GitHub, Azure

IV. EXPERIENCE

Software Engineer, KIOS Research and Innovation Center of Excellence, University of Cyprus
Nov 2025 – Present

- Design, develop, and maintain back-end and front-end modules for EU, national, and industry-funded research projects.
- Implement RESTful APIs and microservices using **Python (Flask/FastAPI)** and JavaScript tooling.
- Deploy, integrate, and monitor services in Linux-based environments using **Docker**.
- Apply software engineering standards, testing practices, and version control workflows to ensure robust, maintainable code.
- Build prototypes for high-impact research applications and present software to project stakeholders.

- Prepare documentation and project deliverables; contribute to collaborative development through peer reviews.

QA Automation Engineer, Techlink LTD, Nicosia Sep 2023 – Oct 2025

- Designed test scenarios and authored manual cases for a deployed client product.
- Automated UI/regression tests in **Playwright (C#)** and **Selenium (Java)**.
- Ran **K6** performance tests on **Docker Swarm** (with small Go extensions).
- Built a utility to pull relevant DB keys from pages to speed up test data entry.
- Worked with developers to reproduce/verify bugs and reduce regressions.

Special Research Scientist, DMSL, University of Cyprus Mar 2025 – Present

- Built a **Flask** backend integrating **ChromaDB** and open-source LLMs; co-developed token-efficient selection logic.
- Deployed and tested open-source LLMs locally to avoid API costs.
- Provisioned a VM and supported lab server users related to thesis/research work.

Technical Support Assistant, University of Cyprus Oct 2021 – Aug 2023

- Diagnosed/replaced hardware for lab and office workstations.
- Performed secure disk imaging, cloning, and wiping per department protocols.
- Provided frontline tech support; helped keep departmental IT systems running.

V. AWARDS & HONORS

• **Robotics Competitions (Robotex/WRO)** Sept 2018 – Dec 2019

- Team Lead of 3 to awards in national and international competitions.
- Developed control software for Lego EV3, NXT, Technic, and Arduino platforms.
- Engineered optimized robot designs, securing:
 - * 1st Place, Lego Line Following, National Robotex, Cyprus, 2018.
 - * 2nd Place, Lego Sumo, International Robotex, Estonia, 2018.
 - * 2nd Place, Lego Maze Solving, National Robotex, Cyprus, 2019.
 - * 3rd Place, Lego Sumo, National Robotex, Cyprus, 2019.
 - * 2nd Place, World Robotics Olympiad, Cyprus, 2019.

VI. PUBLICATIONS

CONFERENCE AND WORKSHOP PROCEEDINGS

C1. “LLM-MS: A Multi-Model LLM Search Engine”,
Konstantin Krasovitskiy, Stelios Christou, Demetrios Zeinalipour-Yazti, *International Workshop on Coupling of Large Language Models with Vector Data Management (LLM + Vector Data)*, 8 pages, May 19 2025, Hong Kong, China **Paper:** <https://www.cs.ucy.ac.cy/~dzeina/papers/llmvdb25-llmmeta.pdf> **Demo:** <https://chatucy.cs.ucy.ac.cy/llmms.html>

MANUSCRIPTS

M1. “LLME: A Distributed Large Language Model Service on the Edge”,
Konstantin Krasovitskiy, Stelios Christou, Demetrios Zeinalipour-Yazti.
 Manuscript, 2025. (Previously submitted to CIDR 2026)

THESES

T1. “Multi-Model LLM Search Engines”,
Konstantin Krasovitskiy, B.Sc. Thesis, *Dept. of Computer Science, University of Cyprus*,
 July 2025.

VII. EXTRACURRICULAR CONTRIBUTIONS

- **Scientific Committee & Competition Judge, Robotex Cyprus** Mar 2022 – Present
Evaluation of robotics solutions and mentored emerging talent, ensuring high standards of technical performance and strategic problem-solving.

VIII. LANGUAGES

- Greek (native)
- English (fluent)
- Russian (fluent)

IX. PERSONAL INFORMATION

- Nationality: Cypriot