

Oleksandr Ichenskyi
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WORK EXPERIENCE

Memgraph Ltd., Zagreb, Croatia

Full-stack Software Engineer

Aug 2023 – Current

- worked on creating a graph visualization library along with developing a database administration platform and company website
 - TypeScript, Angular, React, Express, Next.js, Docker, Memgraph, Orb
 - adding features to a desktop app and a website that are used by 1000+ users daily

Memgraph Ltd., Zagreb, Croatia

Software Engineering Intern

Jun 2023 – Aug 2023

- worked on creating LLM agents (ODIN, RUNE) using graph databases
 - TypeScript, React, Python, FastAPI, Memgraph, LangChain, Obsidian API, OpenAI API, Cytoscape
 - created an Obsidian plugin with 500+ stars on GitHub

EDUCATION

University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

Pursuing MSc in Computer Science

Sep 2024 – May 2026
(expected)

- relevant courses: *Machine Learning; Web Architecture, Protocols, and Services*

BSc in Computer Science

Sep 2021 – Jul 2024

- thesis: *Robustness of Gaussian Splatting for simultaneous localization and mapping*
- relevant courses: *Selected Topics in Software Development 1; Selected Topics in Software Development 2; Design Patterns*

EXTRA-CURRICULAR ACTIVITIES

Codebooq Hackathon, Zagreb, Croatia

Nov 2023

- Software Development Course & Hackathon
 - *Team Organization, TypeScript, React, TailWind, SCSS, Java, Spring Boot, Git*

Memgraph Blog

Sep 2023

- Writing Papers About Using Graph Databases With OpenAI
 - *Obsidian Note-Taking with ODIN*
 - *RUNE — Our Journey to Creating a GitHub LLM Analytics Tool*
 - *LangChain Docs and Memgraph's LLM Story*

Sofascore Academy, Zagreb, Croatia

Mar 2023 – Jun 2023

- Software Development Course
 - *TypeScript, React, Next.js, SCSS, Git*

FrontEd Hackathon, Zagreb, Croatia

Mar 2023

- Software Development Course & Hackathon
 - *Team Organization, TypeScript, React, TailWind, SCSS, Java, Spring Boot, Git*

Notch Devcademy, Zagreb, Croatia

Jul 2022 – Aug 2022

- Software Development Course & Hackathon
 - *awarded for having best application out of all teams*
 - *Java, Spring Boot, JS, React, Git*

Illuminative Bootcamp, Zagreb, Croatia

May 2022

- Mobile App Development Course
 - *Flutter, Dart, Kotlin, Git*

Algebra University College, Zagreb, Croatia

Dec 2020

- Express Android Development course
 - *Kotlin, Git*

TECHNICAL SKILLS

Advanced	<ul style="list-style-type: none">• GitHub, GIT – used across all my projects
Intermediate	<ul style="list-style-type: none">• TypeScript – used across most of my projects• JavaScript – ('b' + 'a' + 'a' + 'a').toLowerCase()• Angular – used in Memgraph Ltd. (Memgraph Lab)• React – used across most of my personal projects and in Memgraph website• Express – used in Memgraph Ltd. and in some my personal projects• Java (SE, EE) – used in university courses and various projects• Spring Boot – used in various projects and hackathons• Linux – used in my working routine• Docker – used across various private and work projects
Basic	<ul style="list-style-type: none">• Kotlin – used in some of my projects• Flutter – used in some of my projects• React Native – used in some of my projects• PyTorch – used in my thesis and scientific pursuits• Figma – used across all my projects• C++ – used in university courses• Python – used in university courses• Julia – used in university courses• Matlab – used in university courses• ROS – used in university courses

OTHER SKILLS AND INTERESTS

Languages	Croatian (fluent), English (fluent), Ukrainian (Native), Russian (Native)
Interests	Motion design, Color theory, Sketching, Playing guitar, Aerospace Engineering, Graph theory,...