

MAKSYM BONDARENKO


SOFTWARE ENGINEER

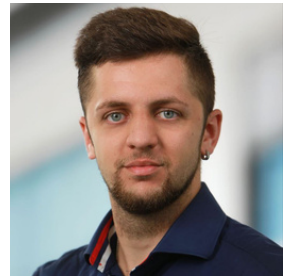
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Residency: Germany | Citizenship: Ukraine

 [Maksym-Bondarenko-UA](#)

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As a software engineer with a strong foundation and 5+ years of experience in **full-stack development**, I have had the opportunity to work with diverse technologies, including **web, mobile, frontend, backend**, and **DevOps**.

With hands-on experience in startups, hackathons, and volunteer projects, I have demonstrated a passion for creating impactful solutions, from refugee education platforms to safety-awareness applications. My academic journey across four countries, combined with contributions to **scientific research** and **machine learning**, reflects my passion for creating impactful, innovative solutions that drive meaningful change.

WORK EXPERIENCE

MSG Systems (International company with 10,000 employees in 32 countries)

Munich, Germany

Full Stack Developer

04/2021 - 03/2024

- Enhanced application quality, **leading to the sale** of a customized system to a **global manufacturing company** (80,000+ employees)
- Upgraded employee account management system, which **enhanced usability** and **accelerated user onboarding**
- Achieved **80% unit test coverage**; **reduced user complaints by 50%** through regular bug fixes
- Established CI/CD pipeline** and **led frontend development** for software craftsmanship product

Stack: (JS | TS | Angular | RxJS | NgRx | Java | Spring | JPA | PostgreSQL | JUnit | Mockito | Jest | Kanban)

SAP UCC (EaaS provider)

Munich, Germany

Software Developer

12/2018 - 08/2020

- Led the implementation** of an educational account management system, **supporting over 5,000 active users**
- Enhanced security and usability, **reducing user complaints by ~90%**

Stack: (SAPUI5 | ABAP | S4HANA | MVC pattern | Scrum)

LEADERSHIP & ACHIEVEMENTS

SafeStreets (start-up, mobile application for city safety awareness)

Germany, Austria

Co-Founder, CTO, Mobile Engineer

02/2023 - 11/2023

- Finalist in TMA Accelerator and SIA Incubator, selected from 47 start-ups; participated in major IT conferences, including Bits & Pretzels, ITCS
- Joined 2Hearts, Europe's largest tech community for migrants; **Developed pre-MVP app version** using Flutter, GCP, and Google Maps API
- Led project coordination**, pitching, and podcast participation; hired and **supervised** a volunteer frontend developer

IEEE Educon (Global engineering education conference)

Tunis, Tunisia

Conference Paper first author & presenter

03/2022

- Authored and presented**: Bondarenko, Maksym, et al. "Learning by gaming: Improvement of User Experience of a Simulation Game for Teaching the Digital Transformation and its Administration Cockpit." 2022 IEEE Global Engineering Education Conference (EDUCON). IEEE, 2022.
- Successive versions of the **application developed from my published work** are **actively used at TUM** to teach Information Systems students

Additional projects:

- Digital Product School (Munich, 2023) Completed a 3-month full-time scholarship program by UnternehmerTUM. Developed a mobile administrative tool for government use, **reducing processing time by 50%**
- Junction Hackathon (Finland, 2022): Participated in **Europe's largest 48-hour hackathon** with 1,300+ participants. Designed and implemented the frontend for an AI tool enabling automatic speech recognition and translation.

SKILLS

- **Coding:** JavaScript / TypeScript, Java, Angular, HTML, CSS, Spring Boot, Dart, Vue.js, React, SAPUI5, Haskell, C++, Python
- **Technical:** Git, REST API, SQL, Flutter, GCP, Google Maps API, Firebase, Docker, DevOps, Mediapipe, QA, ML
- **Languages:** English (proficient), German (proficient), Ukrainian (native), Russian (native), French (intermediate), Norwegian (beginner)

EDUCATION

<u>ETH Zurich & Technical University of Munich (TUM)</u> <ul style="list-style-type: none">• Master of Computer Science, with a focus on algorithms and data structures• Thesis: Dynamic Selection of ROI for Enhanced Heart Rate Detection Using Machine Learning, in collaboration between <u>ETH Zurich</u> and <u>Khalifa University</u> (Abu Dhabi); <u>DAAD scholarship</u> recipient• Exchange program: <u>University of Bergen</u> (UiB), Norway (Fall Semester 2022 - 2023)• As <u>Google Developer Student Club (GDSC) core team member</u>, organized events and presented to 100+ people	Munich, Germany / Zürich, Switzerland 04/2022 - 05/2025
<u>Technical University of Munich (TUM)</u> <ul style="list-style-type: none">• Bachelor of Computer Science with a Minor in Business Administration Passed with Merit• Thesis: Development of an Application for the Administration of Business Games, Grade: A• Co-author of the joint book "eLearning - Technologies and Infrastructures" by Dr. <u>Thomas Hüttl</u>	Munich, Germany 10/2018 - 03/2022
<u>Kharkiv National University of Radio Electronics (NURE)</u> <ul style="list-style-type: none">• Bachelor of Computer Engineering Faculty of Computer Engineering and Control	Kharkiv, Ukraine 09/2016 - 06/2021

VOLUNTEERING & EXTRACURRICULAR ACTIVITIES

• Co-Founder, Cloud-Prism: Launched an educational non-profit project for refugee education, successfully transitioning 3 participants into entry-level tech positions	03/2022-08/2022
• Volunteer, Refugee Center: digitalized employee scheduling and management systems, increasing logistics efficiency fourfold and improving access for over 10 staff members	02/2022-06/2022
• Volunteer, Red Cross (BRK): Active voluntary blood donor	2017 - present
• Marathons, Ultra-runs and trail-runs competitor	