

IULIA-MARIA ZBIRCEA

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ROMANIAN SOCIETY OF
MEDICAL INFORMATICS

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SUMMARY

I'm Iulia, a Junior Software Engineer and MSc. student in IT Systems in Healthcare, with experience building production AI systems and enterprise applications. I'm particularly interested in how technology can improve healthcare and support complex, regulated environments. Currently learning German, open to relocation, and motivated to grow in international, collaborative teams.

PROFESSIONAL EXPERIENCE

Junior AI Software Engineer - Siena Labs, Inc.

June 2025 - Present

- Working on a fully AI-automated customer support platform, building and operating production systems powered by LLMs
- Deploy and run services on AWS and GCP using Docker, with a focus on scalability and reliability
- Implement observability and tracing for AI systems using Langfuse and Honeycomb to debug and improve model behavior
- Participate in on-call rotations, investigating and resolving production incidents to maintain system stability

Technologies Used: Node.js · Python · OpenAI APIs · AWS · Docker · Scala · Langfuse · Honeycomb

360 SAP Consulting & Development Lab Trainee - MHP - A Porsche Company

Apr - June 2025

- Created user interfaces with SAP UI5, focusing on usability and enterprise requirements
- Learned key project management concepts, including agile workflows, stakeholder communication, requirements gathering, and delivery planning
- Collaborated in team-based projects simulating real client engagements

Technologies & Skills: ABAP, S/4HANA, UI5, Agile & Project Management Fundamentals

EDUCATION

Master of Science in IT Systems in Healthcare

Sep 2024 - Jul 2026

Politehnica University of Timisoara, Romania

Admission Grade: 9.70/10

Bachelor of Science in Automation and Computer Science

Sep 2020 - Jul 2024

Politehnica University of Timisoara, Romania

Thesis Grade: 9.83/10

Erasmus+ Mobility Programs (BSc. & MSc.) :

University of Augsburg - Augsburg, Germany

Oct 2025 - Present

University of Augsburg - Augsburg, Germany

Feb - Jul 2022

ADDITIONAL INFORMATION

Technical Skills: Node.js · Python · OpenAI APIs · AWS · Docker · Scala · Langfuse · Honeycomb · SAP BTP · ABAP · S/4HANA · SAP UI5 · Java · Kotlin · Swift · TypeScript · Flutter · iOS · Git

Languages: C2 - English, A2 - German, Native - Romanian

Certifications: NextGen Entrepreneurship - ABQ.institute [**Apr 2025**]; Level I Psycho-pedagogical Training (Teacher Certification) [**Apr 2025**]; Foundations of User Experience (UX) Design - Google [**Jan 2024**]

Awards/Activities: 2nd place at Venture Creation Labs by iGEM Startups [**2025**], 2nd place at TRL 4 - 2 Pitch Perfect Session Competition at SynBioReactor Berlin [**2025**], 2nd place at the European Biotech Heckathon RWG [**2024**]