Victor Balan

Work permit: Romanian

Date of birth: 01/04/2002

Place of birth: Falticeni, Romania

Nationality: Romanian

CONTACT

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WORK EXPERIENCE

ASSIST SOFTWARE SRL Suceava, Romania

Business or Sector Information and communication

Software engineer
01/02/2023 – Current

- Acted as a key technical contributor for multiple client-side projects, focusing on platform migration, systems integration, and performance optimization.
- Gained deep domain knowledge to take ownership of migrating legacy platforms and integrating new tools aimed at process automation, cost reduction, and incident minimization, resulting in more robust, maintainable systems.
- Collaborated with senior engineers and domain experts with over a decade of experience to define technical requirements, provide accurate estimations, and deliver high-impact business solutions.
- Designed and implemented a zero-downtime data migration strategy to move from a NoSQL to SQL architecture in a high-load system handling over 1 million transactions per hour.
- Led the CI/CD modernization initiative, migrating from on-premise tools to GitLab:
    - Rebuilt and optimized CI/CD pipelines.
    - Defined scalable workflows and maintained Terraform codebase for GitLab resource management.
    - Authored detailed documentation to simplify future migrations, requiring only minimal configuration changes (~10 lines).
- Achieved a 70% reduction in system and database load by identifying and removing legacy, parasitic processes and refactoring core business logic—resulting in consistent performance even during peak usage hours.
- Contributed to the architecture and development of a unified platform to replace three existing systems with overlapping business logic but divergent technologies, focusing on performance, adaptability, and future scalability.

Technologies Used:
- Java, Spring Boot, Quarkus, Docker, Kubernetes, On-prem hosting, Terraform, GitLab CI/CD, Jenkins, Angular, NX Monorepo, SQL, NoSQL, Bash

EDUCATION AND TRAINING

01/10/2021 – 10/07/2025 Suceava, Romania

Bachelor's Degree in Computer Science Ștefan cel Mare University of Suceava

Website https://usv.ro/ | **Level in EQF** EQF level 6

20/07/2025 – CURRENT Suceava, Romania

Master's Degree in Cybersecurity Ștefan cel Mare University of Suceava

Website https://usv.ro/ | **Level in EQF** EQF level 7

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

Other language(s):

English

Listening C2	**Spoken production** C1
Reading C2	**Spoken interaction** C1
Writing C1	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Angular │Cloud technologies: AWS, GCP, Azure │JavaScript │TypeScript │JAVA (Spring Framework, SpringBoot, REST, Hibernate, JPA, JDBC, JAX-RS, Maven, Gradle) │Terraform / Ansible / Kubernetes / Docker / Jenkins │Microservices architecture │Database(SQL, NoSQL) │Git │Linux

VOLUNTEERING

01/10/2022 – CURRENT Suceava

Volunteer - FIRESC Students Association

Led and organized multiple software development workshops for first and second-year students, fostering technical skill development and knowledge transfer within the student community. Headed the Marketing and Economics department, overseeing team coordination and refining our approach to complete projects efficiently and on time.

Participated in professional development workshops with licensed trainers to strengthen communication, collaboration, and leadership capabilities essential for software engineering environments. Successfully mentored junior students in programming concepts and development practices, contributing to improved retention and technical proficiency across the student body.

Transitioned leadership responsibilities to next-generation leaders while maintaining active involvement in organizational strategy and technical mentorship, demonstrating commitment to sustainable knowledge sharing and community building in technology education.

Link https://www.facebook.com/firesc

HOBBIES AND INTERESTS

Robotics and IoT Development

Building Arduino and Raspberry Pi-based projects including home automation systems and sensor networks. Passionate about exploring the intersection of hardware and software development, with experience in C++, Python, and embedded programming.

Technology Blogging and Learning

Writing technical articles about software development concepts and maintaining a personal blog to document learning experiences. Passionate about continuous learning through online courses, tech podcasts, and developer communities. I am at the beginning with lots of drafts that I never posted but I am thriving on giving back to the software engineering community whatever I find interesting.

Link https://medium.com/@victorbalan9