

Costin Valeriu Costea

Senior Software Engineer | Technical Lead

✉ costea.costin96@gmail.com ☎ +40729262897

📍 Bucharest, Romania (Open to Remote/Hybrid)

🌐 [linkedin.com/in/costin-costea](https://www.linkedin.com/in/costin-costea) 🔗 <https://www.raisedfortech.com/>

🚩 Romanian



Professional Summary

Passionate and highly adaptable Senior Software Engineer with 10+ years of experience building end-to-end products across diverse tech stacks, industries, and company sizes. A true tech enthusiast at heart, I thrive on tackling complex engineering challenges—from designing scalable Java/Spring Boot microservices for global enterprises to prototyping smart hardware. My core value proposition is my versatility: I can learn any technology quickly, take extreme ownership of a product from architecture to deployment, and literally build anything, whether it involves backend systems, cloud infrastructure, or hardware integration.

Professional Experience

Senior Software Developer (Contract), Deutsche Bank

Engineered a smart automation system using Java 20, Spring Boot, and Python that dynamically orchestrates Ansible playbooks to execute 100+ complex steps for large-scale ExaCC database manipulations and migrations.

Designed and implemented automated certification pipelines utilizing Python, Jenkins and Automic, streamlining database patching and significantly reducing manual operational overhead. Drove continuous system improvements through meticulous code reviews, proactive refactoring, and enforcing high standards for software quality.

Managed quarterly team product releases and optimized internal software delivery processes to enhance scalability and reliability across Oracle Cloud Infrastructure (OCI) and OpenShift.

02/2024 – 02/2026

Frankfurt, Germany -
Remote

Senior Software Developer, TechTalent | Spirent

Led R&D initiatives exploring cloud-native solutions, designing a dynamic microservices architecture to enhance system performance and reliability under high load for a large networking client.

Developed scalable, event-driven microservices using Java 19, Spring Boot, Kafka, and WebSockets.

Engineered a Proof of Concept (PoC) for a modern message bus designed for cloud environments, improving inter-service communication efficiency. Mentored teammates and facilitated internal Kubernetes workshops to improve team-wide cloud orchestration capabilities.

05/2022 – 02/2024

Bucharest, Romania

Java Technical Lead (Contract), Yarta

Architected and delivered the backend microservices for a private grain commodities market and a comprehensive livestock order tracking system.

Engineered complex business logic to manage the complete lifecycle of livestock sales (from initial order to physical arrival) utilizing Java, Spring Boot, PostgreSQL, and Twilio integrations.

11/2021 – 05/2022

Bucharest, Romania

Built highly scalable, real-time chat and trading microservices from scratch leveraging Node.js, Socket.io, Kafka, and MongoDB. Mentored developers through rigorous code reviews and configured complete AWS (EKS, RDS, CloudFront) and GitLab CI deployment pipelines across dev, UAT, and production environments.

Senior Java Developer, Deloitte Digital

01/2021 – 12/2021
Bucharest, Romania

Maintained and continuously extended over 10 inherited microservices for a massive UK retailer, developing new core functionalities and novel microservices from scratch using Java, Kotlin, and Spring Boot.

Operated within a highly rigorous Software Development Life Cycle (SDLC), establishing Prometheus and Grafana metrics to monitor system health, ensuring strict code quality, and driving seamless monthly release cycles for critical retail systems.

Deployed and orchestrated resilient microservices on Google Cloud Platform and Kubernetes, leveraging Google Pub/Sub for highly available asynchronous messaging flows.

Co-founder & Tech Lead, Clark

01/2018 – 03/2021
Bucharest, Romania

Co-founded an Industry 4.0 augmented reality startup, leading a cross-functional team of 5 developers to build the complete product ecosystem from scratch—encompassing custom hardware, frontend, backend, cloud infrastructure, and network protocols.

Iterated through 5 generations of smart AR goggles (featuring continuous QR scanning and thermovision), evolving the core hardware architecture from early Raspberry Pi prototypes to custom PCBs and ultimately native Android-based smart glasses. Architected the system's complete evolution from early on-premise servers to a scalable AWS cloud infrastructure, securing communication through robust CI/CD pipelines (Docker, Bitbucket CI).

Developed the core native Android software and backend orchestration services using Java, Spring Boot, and C++, enabling complex device communication via MQTT, WebRTC, and I2C.

Mid Java Developer, Ausy | IDEMIA

12/2018 – 12/2020
Bucharest, Romania

Engineered and deployed critical software updates and customizations for biometric security products utilized directly by international police departments in advanced forensics flows. Customized and scaled enterprise Java and JBoss applications for IDEMIA, collaborating seamlessly with cross-functional teams across France, the Netherlands, Romania, and Serbia.

Authored advanced utility tools, custom log parsers, and custom reporting pipelines that significantly improved observability, debugging efficiency, and software testing processes across complex, high-stakes production environments.

C++ Software Engineer, Capgemini | Thales Alenia Space

11/2017 – 12/2018
Bucharest, Romania

Developed mission-critical C++ modules for satellite propulsion, command core, and Hall Effect thrusters for the European Space Agency (NEOSAT project).

Built comprehensive unit testing frameworks and aerospace simulation tooling utilizing Python.

C++ Developer, Misys

04/2017 – 06/2017
Bucharest, Romania

Developed core financial and banking logic features for the SUMMIT global trading platform.

Robotics Trainer, *Inventeaza.ro - Robotics Academy*

Developed comprehensive IoT and robotics lesson materials and conducted training sessions, preparing students for national and global innovation competitions. Spearheaded the hardware and software development of a smart IoT backpack prototype capable of real-time book recognition and dynamic TFT display updates. Debugged complex software and hardware issues for custom IoT robotics solutions built for external clients. Actively represented the organization and showcased innovative hardware prototypes at major international hackathons, including events in London and Dubai.

11/2015 – 04/2017

Bucharest, Romania

Education

Bachelor's Degree in Cybernetics - Economic Informatics,

10/2015 – 09/2018

Bucharest Academy of Economic Studies

Thesis: Developed "OLinda", an intelligent smart mirror that utilized facial recognition to display highly personalized smart content and dynamic widgets for individual users (Grade: 9.83/10). Awarded 1st Prize at University Scientific Sessions (Twice).

Technical Skills

Languages

Java (8/11/17/19/20), Kotlin, C++, Python

Frameworks & Libraries

Spring Boot, Node.js, Angular, Flask, OpenCV

Cloud, DevOps & Observability

AWS (EC2, EKS, RDS), Google Cloud Platform (GKE, Pub/Sub), Kubernetes, Docker, OpenShift, Terraform, Ansible, Jenkins, GitLab CI, Helm, Prometheus, Grafana

Messaging & Databases

Kafka, RabbitMQ, WebSockets, Socket.io, PostgreSQL, MongoDB, Oracle

Architecture & Protocols

Microservices, Event-Driven Architecture, REST, SOAP, MQTT, WebRTC

Technical Awards, Hackathons & Contests (Top Selection)

1st Prize, *Kaufland Accessibility Hackathon* 01/12/2020

1st Prize, *Be An Innovator Competition (by BearingPoint)* 01/12/2017

Winner (Start-up of the Year), *Innovation Labs* 01/12/2017

1st Prize, *HackITall Hackathon* 01/12/2016

1st Prize, *Hacking for Humanity Hackathon* 01/12/2016