

Lucian Olosutean

Software Engineer | Contractor

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Learning is my superpower.

Professional Summary

Results-driven Software Engineer with 13+ years of experience designing and building scalable applications across diverse industries. Specialized in backend development with strong expertise in Java, Spring Boot, RabbitMQ, Redis, and PostgreSQL.

Passionate about Artificial Intelligence and its role in modern software engineering. I integrate AI tools such as Cursor, GitHub Copilot Agent, and custom GPTs into my day-to-day work to improve code quality, accelerate development, and automate tasks. Experienced in prompt engineering and in developing applications with AI assistance, both professionally and through personal projects.

Known for quickly understanding business requirements, delivering robust solutions under pressure, and sharing knowledge as both a mentor and university teaching assistant. I combine deep technical expertise with AI-assisted workflows to drive innovation and efficiency.

Core Skills

- Backend Development: Java (7, 8, 11, 17, 21), Spring Boot, Spring Data, Java EE, Hibernate, JPA.
 - API & Integration: RESTful APIs, SOAP Webservices, GraphQL, Microservices.
 - Messaging & Event-Driven: RabbitMQ, Redis, Hazelcast, WebSockets.
 - Database Management: PostgreSQL, Microsoft SQL Server, MySQL, ORM.
 - Frontend Technologies: React, Node.js, Nest.js, Typescript.
 - DevOps & CI/CD: Docker, AWS, Azure DevOps, GitLab, GitHub, Maven.
 - Agile Methodologies: Scrum, Sprint Planning, Task Estimation.
 - AI & Automation: Cursor, GitHub Copilot Agent, Custom GPTs, Prompt Engineering, AI-assisted application development, Workflow Automation
 - Mentorship & Training: Mentoring developers, associate professor teaching Java labs.
 - Problem Solving: Strong analytical skills, quick learner, and solution-oriented.
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Professional Experience

Software Engineer | AROBS Transilvania Software

May 2013 – Present | Cluj-Napoca, Romania

- Developed and maintained applications using Java, Spring Boot, and Java EE with a focus on backend development.
- Designed and implemented RESTful APIs and SOAP Webservices for microservices communication.
- Utilized RabbitMQ and Redis for inter-service messaging and event-driven architectures.
- Applied DevOps practices using Docker, AWS, and Azure DevOps for CI/CD and continuous integration.
- Integrated AI-assisted coding tools (Cursor, GitHub Copilot Agent) into development workflows, improving productivity and solution exploration.
- Developed applications using AI tools to support new features, small services, and automation tasks.
- Led technical decision-making for complex projects, providing analysis and solutions.
- Mentored junior developers and interns, fostering a collaborative environment.

Associate Professor | Technical University of Cluj-Napoca

2017 – 2024 | Cluj-Napoca, Romania

- Teaching laboratory sessions in "Software Engineering" at the Faculty of Automation and Computer Science.
- Mentored students in Java programming and practical applications, contributing to their academic development.

Java Intern | AROBS Transilvania Software

March 2013 – April 2013 | Cluj-Napoca, Romania

- Developed a forum application using Java technologies, gaining foundational experience in web development.

Key Projects

Machine Labeling Processor

- Ongoing project for processing data from machine labeling systems with React frontend and Spring backend.
- *Role:* Full-Stack Developer, handling frontend, backend, and Docker management.
- *Technologies:* Java 17, Java 21, Spring Boot, React, RabbitMQ, Docker.
- *Duration:* +1 year (ongoing)
- *Applied AI-assisted development techniques to accelerate feature implementation and issue resolution.*

TV Video Streamer

- Video streaming engine for preparing and distributing video data for TV consumers.
- *Role:* Backend feature implementation and bug fixing.
- *Technologies:* Nest.js, Typescript, GraphQL, Docker.

- *Duration:* 1 year

Sports Data Aggregator

- Engine for processing and aggregating sports timing data into KPIs for clients.
- *Role:* Backend development, data ingestion and aggregation, and API implementation.
- *Technologies:* Java 11, Java 17, Spring Data, PostgreSQL, Redis, RabbitMQ, Docker.
- *Duration:* 4 years

Content Management System

- System for managing sports event competitions, providing data and functionality for event management.
- *Role:* Backend development and system maintenance.
- *Technologies:* Java 11, Java 17, Spring Data, PostgreSQL, Docker, AWS.
- *Duration:* 3 years

Channel Manager

- A web services-based engine for hotel availability and rate distribution across multiple channels.
- *Role:* Backend development and channel integrations.
- *Technologies:* Java 8, Microsoft SQL Server, Hibernate, EJB, Struts2.
- *Duration:* 7 years

Personal Projects

- wednesday.com – Wedding website builder (SaaS platform).
- om-law.ro – Legal services platform.
- lolotech.io – Personal website showcasing projects and services.
- matka.ro – Beauty salon website with a custom admin dashboard for managing content (team, gallery, prices, services, promotions, contact), built with Next.js and Vercel KV/Blob.

Developed these applications out of passion, using both traditional and AI-assisted development workflows.

Education

- Master's Degree, Mathematics and Computer Science
Babeş-Bolyai University, Cluj-Napoca, Romania | 2014 – 2016
- Bachelor's Degree, Mathematics and Computer Science
Babeş-Bolyai University, Cluj-Napoca, Romania | 2011 – 2014
- Master's Degree, Economics and Business Administration
Babeş-Bolyai University, Cluj-Napoca, Romania | 2010 – 2012
- Bachelor's Degree, Economics and Business Administration
Babeş-Bolyai University, Cluj-Napoca, Romania | 2007 – 2010

Certifications

- Oracle Certified Professional, Java SE 7 Programmer (May 2016)
- Oracle Certified Associate, Java SE 7 Programmer (Dec 2014)