Catalin Bota

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Professional Summary

Software engineer with over 15 years of **multi-domain experience**, building tools and platforms across fintech, automation, and enterprise solutions. Skilled in guiding distributed teams and creating software that supports both internal stakeholders and external partners. Currently focused on developing domain-specific language (DSL) tools in the fintech space.

WOLTERS KLUWER - TECHNICAL OWNER / SENIOR SOFTWARE ENGINEER 2017 → PRESENT

- Built and maintained software - supporting multiple(10+) product teams.

- Designed and implemented core platform features used by 100+ engineers in the fintech space.

- Improved and optimized the process of how code is built, tested, and released into production (TeamCity, Maven, Docker) to enable faster, more reliable delivery cycles – a fan of clean automation and reproducible builds.

- Guided and mentored engineers across different experience levels, conducted interviews, and contributed to hiring strategies.

- Collaborated with multi-country teams to align roadmaps and share engineering practices.

ALTRAN (NSPYRE) – AUTOMATION & SOFTWARE ENGINEER 2011 → 2016

- Started as an automation engineer on an advanced OLED research initiative, delivering PLC/DCS system integration for large-format display manufacturing.

- Transitioned to software development using model-driven engineering concepts, building solutions on the Eclipse platform.

- Managed the model-driven engineering team in Cluj, supporting tool adoption and streamlining development workflows for clients such as ASML.

EMERSON – PROJECT ENGINEER 2007 → 2011

- Handled system engineering and design tasks – including configuration, Factory Acceptance Testing (FAT), and Site Acceptance Testing (SAT). Also worked on integrating DeltaV systems with third-party equipment and PLCs, while providing back-office support for oil and gas projects.

BITSTONE – WEB DEVELOPER JAN 2007 → NOV 2007

- Implemented various websites in alignment with client specifications.

Education

Technical University of Cluj-Napoca — Diploma Engineer in Systems Engineering & Computer Science, 2002 → 2007

Key Skills & Technologies

Collaboration & Leadership

- Extensive experience working within multinational teams. Skilled at collaborating across geographically dispersed teams in cross-cultural environments. Comfortable leading, mentoring, or integrating into diverse team structures.

Languages & Frameworks Experienced in software and systems engineering across diverse programming paradigms, platforms, and development environments.

- Strong background in object-oriented development with Java, complemented by experience across several programming languages., with expertise in domain-specific language (DSL) design and implementation.

Dev Tools and Workflows Experienced in modern development toolchains and automation workflows, integrating AI-assisted tools to accelerate and stabilize software delivery.

- Version Control & Collaboration: Git, Bitbucket, Build & Dependency Management: Maven, Containerization & Automation: Docker, Artifact Management: JFrog Artifactory, AI & Productivity Tools.

Methodologies Skilled in modern software development practices with a focus on agile delivery. Familiar with designing and deploying flows to ensure reliable and frequent releases.

- CI/CD Pipelines: *TeamCity* for continuous integration and deployment — Project & Issue Tracking: *JIRA* for agile workflows and team coordination.

Spoken languages *Romanian* (native), *English* (fluent), *French* (conversational).

Certifications & Learning: Oracle Certified Associate – Java SE 8, Eclipse Rich Client Platform (RCP) Training.

Public projects portfolio

https://me.nodes.ro/ - showcases code, demos, tooling, and open-source utilities.

My focus is on transforming ideas into software engineers enjoy *maintaining*, people enjoy *using*, and computers can *run* for a long time — ideally without catching fire.