



## Catalin Bota

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### Professional Summary

Software engineer with 15+ years of experience building tools and platforms across fintech, automation, and enterprise systems. Skilled in leading cross-site teams, improving developer productivity, and creating scalable solutions. 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 tooling supporting multiple(10+) product teams.
- Designed and implemented core platform features used by 100+ engineers in the fintech space.
- Streamlined build and release pipelines (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, led interviews, and contributed to hiring strategies.
- Collaborated with multi-country teams to align roadmaps, adoption metrics, and shared 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 (Java) and procedural programming, with a strong foundation in domain-specific language (DSL) development.

**Dev Tools and Workflows** Proficient in a modern and versatile development toolchain that supports scalable, collaborative, and automated software delivery.

- Version Control & Collaboration: *Git*, *Bitbucket*, Build & Dependency Management: *Maven*, Containerization & Automation: *Docker*, *Artifact Management* - *JFrog Artifactory*

**Methodologies** Skilled in modern software development practices with a focus on agile delivery. Familiar with designing and deploying workflows 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)

## Public projects portfolio

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

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

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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.