

# Filip Pospisil

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## EXPERIENCE

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### Red Hat

March 2021 – Dec 2025

#### Software Quality Engineer

Remote, Brno, Czechia

- Contributed to Apache Camel IDE tooling across Eclipse, Visual Studio Code, and NetBeans, combining quality engineering with hands-on software development.
- Designed and implemented automated UI test coverage for LSP/DAP clients, significantly improving reliability and release confidence.
- Developed and maintained IDE extensions and tooling, including a VS Code extension integrating the ExTester framework.
- Contributed to the ExTester framework, improving stability, features, and developer usability.
- Fully owned and published a NetBeans Camel LSP plugin (2000+ downloads), delivering workarounds for NetBeans API limitations.
- Progressed from intern to medior engineer over nearly five years, expanding responsibilities beyond testing into tooling ownership and long-term maintenance.

## PROJECTS

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### Code Generator for ExTester

- AI-assisted UI test generation for VS Code extensions
- Experimental tooling that leverages large language models to generate, validate, and iteratively repair UI-level tests for VS Code extensions using the ExTester framework, significantly reducing the effort required to create and maintain reliable UI test suites.

### VS Code Extension Tester

- UI test automation framework for VS Code extensions.
- Core contributor to the ExTester framework with hands-on development of framework features and architecture, and author of a standalone ExTester runner that enables executing and debugging UI tests directly in the editor, improving developer experience and adoption.

### Apache Camel Tooling for VS Code

- Language and debug tooling for Apache Camel in VS Code.
- Contributed to the development and quality engineering of Apache Camel LSP and DAP clients, focusing on automated UI testing, tooling stability, and CI integration to improve reliability and release confidence.

### Apache Camel Tooling for NetBeans

- Language Server Protocol client for Apache Camel
- End-to-end owner of a full-featured NetBeans plugin implementing an LSP client for Apache Camel, including architectural design, workarounds for NetBeans API limitations, and successful publication to the NetBeans Plugin Portal with thousands of users.

### Apache Camel Tooling for Eclipse

- Eclipse-based LSP and DAP tooling for Apache Camel.
- Contributed to Eclipse-based language and debugging tooling for Apache Camel, with a focus on quality engineering, test automation, and cross-IDE consistency to ensure reliable developer tooling across platforms.

EDUCATION

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<b>Mendel University in Brno</b> <i>Masters's degree in Computer Science</i>	2023-2025 Brno, Czechia
<b>University of Maribor</b> <i>Erasmus+</i>	2024-2025 Maribor, Slovenia
<b>Brno University of Technology</b> <i>Bachelor's degree in Computer Science</i>	2018-2023 Brno, Czechia

SKILLS

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**Languages:** English (C1)

**Engineering & Programming:** Software Development, Product Development, JavaScript, TypeScript, Java, Node.js, Apache Camel, Computer Science, Algorithms, Theoretical Computer Science

**Quality Engineering & Automation:** Software Quality Assurance, Quality Assurance, Software Testing, Test Automation, Test Cases, Test Planning, Agile Testing, Regression Testing, Selenium, JUnit

**Tooling, DevOps & AI:** Microsoft Visual Studio Code, Git, Maven, Jenkins, Jira, Continuous Integration (CI), Continuous Delivery (CD), Agile Methodologies, Scrum, Kanban, Artificial Intelligence (AI), Machine Learning, Evolutionary Algorithms, LaTeX