



Viktor Csaholyi

Java Developer

Phone number: +36 30 319 4655

E-mail: csaholyi.viktor@gmail.com

PROFILE

I have been working with **Java**-based development for **more than 5 years**, typically in a corporate environment. I often manage a significant part of the tasks, from clarifying requirements through API and database design to implementation and production support. It is **important to me** that the completed solution is not only technically correct but also **transparent** and **maintainable** for the business side in the **long term**. I enjoy working independently, but I also cooperate easily in a team, and if necessary, I consult with business stakeholders as well. My goal is to create systems that always work **reliably** and **can be further developed in an understandable way**.

PROFESSIONAL EXPERIENCE

Full-stack developer | Netrisk Magyarország Kft.

Jan 2026 – present

I develop the Netrisk online calculator platform on both the admin and customer sides. The customer side serves insurance and banking calculators **under multiple brands (Netrisk, Bizthu, eHáz)**, with **tens of thousands of daily users**: from a single question flow it retrieves real-time offers from partner insurers (Allianz, Generali, Uniqa, Groupama) and financial institutions. On the admin side, product managers configure the calculators in visual editors — the system is a **configurable rule engine** split across 7 separate repositories (admin-api, admin-ui, customer-api, customer-ui, common library, database, deploy), where question flows, validations, pricing logic, and partner calls run from JSON configuration, with a versioned review/activation workflow.

In addition, I also work on the Netrisk parking mobile application, which allows users to start and stop parking by entering a zone code and license plate. The application integrates with three external systems: **NMFR** (National Mobile Payment System — fee calculation), **Barion** (payment), **Szamlazz.hu** (automatic invoicing).

Main results and tasks:

- **Server-side pagination, filtering, and sorting**: administration report tables previously paginated client-side, which became slow and unusable with several thousand records per day. I moved everything to the server side, into the common library — new generic DTO, dynamic queries, and new endpoints.
- **API key authentication system**: I introduced a new API key-based authentication layer into the Spring Security filter chain, with creation/revocation/restoration endpoints and audit logging.
- **Webservice mock infrastructure**: partner insurers' test systems are often unstable or slow. I built a mock system where partner calls can be switched at work-package level to fixed mock responses, allowing testers to work independently of partner systems.
- **JSON diff viewer** for work-package review: multi-thousand-line JSON files previously had to be compared by eye. I integrated a structural diff viewer that highlights modified, added, and deleted nodes in a tree view.
- **Report generation in the activation process**: I implemented automatic diff-report generation after every successful activation, showing which field of which work package changed and who modified it.

- **Customer-side debug box system:** I built a debug interface that displays — directly next to the calculator — what the partner web service responded and which rules were executed.
- **Advertising banner block** added to the banking calculator: I introduced a new banner block type on the customer-ui and the corresponding configuration option in the admin-ui, allowing product managers to place customizable advertising banners on the banking calculator's offer page.
- **Handling multiple license plates per account:** I refactored the data model to a 1:N relationship (user → vehicles), and adjusted the affected APIs and the mobile app's vehicle-selector component, allowing multiple vehicles per account.
- **Generic exception handling refactor** on the backend: I introduced a unified error-mapping layer managed by @ControllerAdvice, so errors are logged in a structured way and easily filterable.

Technologies: Java, Spring Boot, Hibernate, Angular, TypeScript, MySQL + Liquibase, Docker, Helm/Kubernetes, GitLab CI/CD, REST, SOAP, JWT, React Native (Expo)

Java developer | Molaris Kft.

Apr 2021 – Dec 2025

Development of Spring Boot-based backend systems and implementation of integrations.

Main results and tasks:

- Complete end-to-end development for new features: API design, database schema creation, backend development, testing, and production support
- Continuous consultation with frontend developers and the business side during parallel developments.
- **Integration of external systems:** implementation, access management, error handling, and monthly settlements.
- **Development of complex medical doctor-sponsor-patient project admin and user modules** (project initiation processes, status changes, document uploads, sponsor decisions, registration, e-mail notifications, completion of eligibility forms, data management, GDPR compliance, access levels).
- Development of **Jira plugin** with Számlázz.hu integration: invoice issuing, cancellation, company data retrieval, historical tracking – **independent development from A to Z.**
- **Burger King chatbot development:** automation of complaint handling processes.
- Development of a **state enterprise system** in a microservice environment with multi-petabyte audit log processing and complex integrations.
- Continuous development of a Vaadin-based **concession management system** and **exclusive handling of customer** relations with long-term support.

Technologies: Java, Spring Boot, REST, RabbitMQ, PostgreSQL, Docker, GitLab CI/CD, Kubernetes, Vaadin, ELK stack

Java developer | MOL Magyar Olaj- és Gázipari Nyrt.

Apr 2019 – Apr 2021

Design and development of integration interface solutions between enterprise systems (e.g., SAP, fuel station systems).

- Development of Java EE-based backend and web applications.
- Cooperation with business analysts and testers.
- Post-development support of applications running in WebLogic environment.

Technologies: Java EE, SOAP/REST integrations, WebLogic, Oracle, Maven, Git

Java backend programmer | Capgemini Magyarország Kft.

Jan 2019 – Apr 2019

- Java backend development for corporate client systems.

Junior Java programmer | ThyssenKrupp Components Technology Hungary Kft.

Jul 2018 – Nov 2018

- Development of a log monitoring system and maintenance of internal tools.

Junior Java developer | Dorsum Kft.

Jan 2017 – Jul 2018

- Backend development and operational support of the Clavis financial system.
- Transformation of version control processes from SVN to Git, coordinating the release process.

EDUCATION

- **Business Informatics (BSc)** - University of Dunaújváros | 2012–2016

TECHNOLOGY STACK

- **Backend:** Java, Spring Boot, Spring Framework (Data JPA, MVC, Security, Validation), Hibernate, MapStruct, Jackson, Lombok
- **Frontend:** Angular, TypeScript, React Native (Expo), npm
- **Integrations:** REST, SOAP, JSON, JWT, RabbitMQ
- **Databases:** PostgreSQL, Oracle, MySQL, Flyway, Liquibase
- **CI/CD and Operations:** Git, Maven, Gradle, GitLab CI/CD, Jenkins, ArgoCD, Docker, Docker Compose, Kubernetes, Helm
- **Other:** IntelliJ IDEA, Jira, Swagger / OpenAPI, JUnit 5, Mockito, ELK stack, Vaadin

LANGUAGES AND OTHER SKILLS

- **English** – B2 (active, daily professional working language)
- **Category B driving license**