

Richárd Németh

Senior Software Engineer

Hungary · Remote within EU

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Professional Summary

Senior Software Engineer with 8+ years of experience building and operating enterprise and service-oriented systems. Active in architecture design, integration strategy, and technical decision-making, with a focus on improving scalability, security, automation, and operational reliability in production environments.

Key Architecture Contributions

- Initiated modularization of a monolithic backend by introducing domain-oriented services to support increasing system complexity.
- Led migration from WebSocket-based synchronization to event-driven messaging with Apache Kafka, enabling scalable communication across distributed nodes.
- Introduced an API gateway layer to centralize routing and external access, strengthening security boundaries and reducing service coupling.
- Established zero-trust network access for remote devices using OpenZiti, eliminating direct network exposure and replacing a VPN-based solution.
- Introduced containerized deployments and automated delivery pipelines, replacing manual deployment processes with repeatable environment-based releases.

Experience

Senior Software Engineer

maXolutions.hu Kft.

Jun 2020 – Present

Budapest / Remote

Smart Home and Energy Management System

Internal transition toward platform ownership

Technical Lead

- Designed and maintained Java/Spring-based backend services supporting smart home and energy management platform functionality.
- Established versioned APIs and Flyway-based database migrations to improve deployment predictability and reduce breaking-change risk.
- Improved the PostgreSQL-based platform data layer to support expanding functional and operational requirements.
- Coordinated backend, frontend, and mobile teams by defining and maintaining service contracts between platform components.
- Selected Ansible to automate upgrade and maintenance workflows for distributed remote nodes, significantly reducing manual operational effort.

Insurance Platform

Engineering Contributor

- Delivered improvements within a globally deployed legacy insurance platform operating across multinational workflows.
- Navigated complex domain logic and enterprise constraints through targeted troubleshooting.

Customer Identity and Access Management (CIAM)

Engineering Contributor

- Delivered full-stack features across gateway logic, backend APIs and Angular-based user interfaces.
- Produced solution designs and technical documentation supporting system evolution.
- Implemented Java-based asynchronous gateway logic aligned with business-driven scalability needs.
- Collaborated across QA, BA, UX/UI and DevOps teams in an internationally coordinated environment.
- Maintained strong security awareness across implementation.

Web Application Developer (Intern → Full-Time)

simpleSoft Kft.

Mar 2016 – May 2020

Miskolc

- Developed enterprise portal components for a major telecommunications provider.
- Led development of a Test Calendar and Result Management system.
- Designed and piloted a user management platform.
- Built internal workforce management solutions.
- Developed an authentication and authorization microservice.
- Coordinated work of a small development team.
- Contributed to early CI/CD and cloud deployment practices.
- Contributed to pilot projects and architectural experimentation.

Technology Stack

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|--------------|---|
| Languages | Java, TypeScript, JavaScript |
| Frameworks | Spring, Node.js, Angular, Astro |
| Interfaces | REST, GraphQL, WebSockets, Apache Kafka |
| Data | PostgreSQL, MongoDB, Redis |
| Service Edge | Nginx, API gateways |
| Platform | Docker, Docker Swarm |
| Security | OpenZiti, OWASP, Trivy, Dockle |
| Build | Gradle, Maven, npm |
| VCS | Git, SVN |

Education

- 2020 **Oracle Certified Associate – Java SE 8 Programmer**, *Oracle Corporation*
- 2013 **BSc Computer Science Engineering (Studies Incomplete)**, *University of Miskolc*
- 2013 **High School Diploma**, *Mezőcsáti Református Gimnázium és Közgazdasági Szakközépiskola*

Languages

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|-----------|--|
| Hungarian | Native |
| English | Professional working proficiency (State-accredited B2) |