



Martin Davidík

Senior Java / Spring Boot Developer | *Banking & Integration*

I am a software developer specializing in Java backend, Spring Boot, banking and payment systems, integration solutions, and process automation (Camunda). I transform complex requirements into clear, reliable, and maintainable solutions. I enjoy analytical thinking, communicating with clients, and streamlining processes and team workflows.

My long-term goal is to move into roles such as Solution Architect or Tech Lead, where I can combine technical expertise, architecture, analysis, and coordination of work across teams.

Education

Czech University of Life Sciences
in Prague
Informatics (Bachelor)
2022–2025

SPŠ na Proseku, Praha 9
Application and Game Development
(High School Diploma)
2017–2021

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Additional Information

English: C1
Driver's license: Class B

Major Projects

Integration of the Sonet ECR3 Payment Terminal (Green Center)

Integration of the Sonet ECR3 payment terminal into the new-generation GP6 parking system, including architecture design, recovery mechanisms, and optimization of embedded operations.

- Design and implementation of a CCM integration architecture for communication with the payment terminal
- Design of recovery mechanisms, asynchronous processing, and multithreading in Java / Spring Boot
- Creation of a Terminal Simulator for development and testing without a physical device
- Optimization for **Raspberry Pi** – **23.4%** reduction in RAM usage and **58.7%** reduction in startup time

BPM Operate App (Kooperativa)

A tool for visualizing and monitoring workflows running on Zeebe, which allows users to monitor process status, inspect instances, and diagnose issues.

- Modification of an open-source tool to receive data from Zeebe via the REST API
- Development in **Spring Boot** (Lombok, MapStruct) and integration into Kooperativa's infrastructure

Key skills

Technology

Java, Spring Boot, Camunda 7/8, BPMN, Zeebe, REST API, Hibernate, SQL, OAuth2, Docker, Kubernetes

Tools and Environments

Git, GitLab, GitHub, Argo CD, OpenShift, Jenkins, Keycloak, IntelliJ IDEA, Jira, Kibana, JUnit, Mockito, TestContainers, Codex, Claude Code

Work Experience

Green Center s.r.o. — Senior Java Software Engineer (02/2026 – present)

(Java, Spring Boot, REST API, multithreading, GitLab CI/CD, Raspberry Pi)

- Design and implementation of the **CCM integration architecture for the Sonet ECR3 payment terminal** in the new generation of GP6 parking systems
 - Developed **recovery mechanisms**, asynchronous processing, and **multithreading** for reliable communication with **payment devices**
 - **Developed and integrated a fiscalization module** into the payment process and backend application
 - Developed a **Terminal Simulator** for automated testing without a physical payment terminal
 - Optimized a Spring Boot application for Raspberry Pi—**reducing RAM usage by 23.4%** and **startup time by 58.7%**
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PowerFLOW a.s. — Java Software Engineer / DevOps Engineer (07/2025 – 01/2026)

(Java, Spring Boot, Camunda 7, REST API, microservices, MirrorD, Kubernetes, Argo CD)

PowerFLOW is a modern low-/no-code platform for the digital transformation of business processes, used by companies such as **ČEZ, Tesco, and KPMG**.

- Development and operation of **Java/Spring Boot** microservices and a low-code platform for enterprise process automation
 - Design and stabilization of **CI/CD, Kubernetes**, and **release processes** in the Microsoft Azure environment
 - Creating estimates, identifying risks, and proposing technical solutions in collaboration with **developers, DevOps**, and **testers**
 - Collaborating on high-level design (HLD) and integration architecture between SAP and PowerFLOW, including consultations with the customer
 - Analyzing technology options for migration from **Camunda 7** and their impact on architecture and operations
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IBPM Solutions s.r.o. — Java Software Engineer (10/2023 – 06/2025)

(Java, Spring Boot, Camunda 8 / Zeebe, REST API, microservices, Keycloak, SQL, CI/CD)

- Backend development for **Kooperativa's Business Case Tracking System**
 - Implementation of automated **BPMN workflows** in Camunda 8 / Zeebe
 - Development of Java/Spring Boot microservices, REST APIs, and integration logic
 - User integration (LDAP), authentication, and working with MS SQL / PostgreSQL databases
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Lundegaard a.s. — Backend Software Engineer (PHP / Java) (11/2019 – 09/2023)

(Java, Spring Boot, REST API, Hibernate, Keycloak, Jenkins, Flyway)

- Development of backend and integration solutions for **BNP Paribas, Hello bank!, Cetelem**, and **Cofidis**
 - Implementation of REST APIs, authentication, database logic, and integration services
 - Integration of Cofidis client data into the **ZOE.AI scoring API**
 - Development of calculation services for **revolving loans and other financial products**
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Inspirio s.r.o. — Backend Software Engineer (PHP) (04/2022 – 06/2023)

(PHP, REST API, Docker, Koyeb, OAuth2, Microsoft Graph API, Git)

- Development of the Pianos CRM system and **migration of the solution to the cloud**
- Integration of the CRM with Microsoft Outlook / Graph API and automation of internal processes