JAN KAVKA

Java programmer



PROFILE

Backend Java Developer with production experience and strong expertise in Spring Boot ecosystem. Currently maintaining live CMS platform in production, developed enterprise-grade reservation system with 16-entity domain model featuring complex business logic, JWT security, and event-driven architecture. Experienced in full-stack development (React/Spring Boot), database design, REST API architecture, and modern development practices. Actively expanding knowledge in microservices patterns and distributed systems.

LANGUAGES

- English: B2
- Polish: C1

INTERESTS

- Sports (floorball, hiking)
- Music (jazz musician, band collaboration, music production)

CONTACT

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GitHub
https://github.com/jankavka

SKILLS

Backend: Java (OOP) | Spring Boot (MVC, REST API, JPA, Security, Validation, Events) | Spring Security | Hibernate/JPA | JWT | MapStruct | Lombok | Liquibase
Frontend: React | TypeScript | JavaScript | HTML5/CSS3 | Bootstrap | TanStack Query | React Router | Vite
Database & DevOps: PostgreSQL | MySQL | Docker | Nginx | Git
Testing: JUnit (Jupiter) | Mockito | Spring Test
Architecture: Layered architecture | DTO pattern | Event-driven design

EXPERIENCE

2026 - Tennis Court Reservation System (Portfolio)

• Full-stack booking platform for a tennis club: training slots, groups, players/coaches, packages, attendance, invoicing and venue/court management

• Backend with a 16-entity domain model and 19 REST controllers; role-based access (ADMIN / COACH / PARENT / PLAYER) and stateless JWT auth with rotating, server-persisted refresh tokens

• Flexible pricing via the Strategy pattern, event-driven listeners, PDF invoice + QR-code generation, and SMS/email notifications

• React 19 + TypeScript SPA with a type-safe API client auto-generated from the backend's OpenAPI spec; TanStack Query for server state, React Router v7 for public/admin routing

• Liquibase migrations, Spring profiles (dev/staging), GitHub Actions secrets, fully Dockerized

• Tech: Java 21, Spring Boot, PostgreSQL, Spring Security (JWT), JPA/Hibernate, MapStruct, Liquibase, iText, ZXing, React 19, TypeScript, React Router, TanStack Query, Docker

2026 - Musician Portfolio (Portfolio)

• Full-stack portfolio app with a public website and a role-secured admin panel (ADMIN role)

• Server-side rendered UI, full CRUD across all sections, rich-text editing (TinyMCE), photo gallery with lightbox, YouTube embeds

• Email-based password reset, filesystem media storage mounted as Docker volumes

• Tech: Java 21, Spring Boot 4, Thymeleaf, Spring Security, Spring Data JPA, MySQL, Liquibase, MapStruct, Lombok, Docker Compose

2025 - Music School Website (PRODUCTION - LIVE)

• Public website with custom CMS serving 200+ monthly visitors

• Actively maintained with ongoing feature development

• Admin panel for content management (TinyMCE editor, image/PDF uploads)

• Tech: React, Spring Boot, Spring Security, JPA, PostgreSQL, Docker

2024 - Insurance Claims Tracking (first Spring Boot project)

• Tech: Spring Boot, Thymeleaf, Hibernate, MapStruct, MariaDB

EDUCATION

- 2026–present: Applied Informatics, University of Ostrava
- 2024–2025: Web Application Programmer (Java PRO) - ITNetwork Completed with practical exam covering Java/OOP, Spring Boot, REST, APIs, React, MySQL, HTML5/CSS3
- 2013–2018: Karol Szymanowski Academy of Music
- 2001–2009: Bishop's Grammar School Ostrava