



KIRILL KODOLOV

About Me

I am an IT student and software developer with around two years of experience in Java, Spring Boot, React, and Next.js development. I have independently built full-stack web applications and backend services, as well as handled their deployment and maintenance.



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LANGUAGES

- Finnish
- English
- Russian
- German

CORE COMPETENCIES

- Full-stack software development
- Backend development and REST APIs
- Frontend development and web applications
- Software architecture and integrations
- Databases and data modeling
- Authentication, authorization, and security
- WebSocket and messaging solutions
- Application deployment and server environments

TECHNICAL SKILLS

Backend Development: Java, Spring Boot, Spring Security, REST APIs, JPA / Hibernate, WebSocket / STOMP, RabbitMQ / AMQP, OAuth2, JWT

Frontend Development: React, Next.js, TypeScript / JavaScript, HTML, CSS / SCSS / Sass
Databases: MariaDB, MySQL, PostgreSQL, SQL, JPA / Hibernate

Architecture and Integrations: REST, SSO, authentication and authorization, role and permission management, monolithic and modular applications, multi-module projects

Development Tools: Git, GitHub, Gradle, Maven

Infrastructure: Linux, Docker, Nginx, Ansible, VDS, Cloudflare, SSL/TLS

Cloud Services: Microsoft Azure – virtual machines, networking, load balancing, web servers, databases, and storage

STUDY

Savon Vocational College

Ohjelmointi

2025-2028

Software Development / Personal Projects

05/2025–

- Designing and developing full-stack web applications and backend services.
- Developing Java and Spring Boot-based REST API services, as well as React and Next.js applications using TypeScript.
- Designing databases and data models with JPA / Hibernate.
- Implementing authentication, authorization, SSO, and real-time WebSocket solutions.
- Implementing RabbitMQ-based inter-service communication solutions.
- Designing and developing architectures for monolithic, modular, and multi-module applications.
- Developing Maven and Gradle-based projects.
- Deploying and maintaining applications in Linux, Docker, and Nginx environments.

Workswap – Full-Stack Web Platform

A production web platform for offering and exchanging jobs, services, and goods, designed and developed independently from the ground up.

- Two Next.js frontends and two Spring Boot REST APIs.
- Custom SSO with JWT, OAuth2, roles, and permissions using Spring Security.
- Real-time communication and notifications with WebSocket.
- RabbitMQ for inter-service communication.
- MariaDB with JPA / Hibernate.
- Deployment and maintenance of the production environment.

Links:

Website: workswap.org

GitHub:

- [WorkSwapFrontend](#)
- [WorkSwap-Backend](#)

Kai Music – Full-Stack Web Application

A web application designed for synchronized music listening, developed independently from the ground up.

- React and TypeScript-based frontend with a Spring Boot REST API backend.
- Real-time synchronization and communication using WebSocket.
- MariaDB database with JPA / Hibernate.
- Deployment and maintenance on a Linux server.

Links:

Website: music.workswap.org

GitHub:

- [Kai-Music-Frontend](#)
- [Kai-Music-Backend](#)