

Tomáš Ljutenko

Full-stack Developer

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Education

Ing. Degree in Software Engineering	Masaryk University	Feb 2022 - Feb 2024
Bc. Degree in Applied Informatics	Masaryk University	Oct 2018 - Feb 2022

Experience

InQool — Back-End Developer	Feb 2024 - present
Backend Lead for the Electronic Construction Diary project.	
<ul style="list-style-type: none">Application Design: Led the design and architecture of the backend system, translating complex data models from analysis into practical solutions.Client Communication: Actively communicated with the client to discuss integrations to client's services, analyze bug reports in Jira and change requests.LDAP User Synchronization: Automated user management from third-party systems.Multi-Tenant Architecture: Designed the application to support multiple clients, enabling security and data isolation for multiple tenants.KEP Integration: Integrated Qualified Electronic Signature (KEP) functionality, ensuring compliance with legal standards.	
InQool — Back-End Developer (internship)	Jan 2023 - Feb 2024
Implemented the backend of Balíkovna, a high-volume parcel shipping mobile app.	
<ul style="list-style-type: none">Apache Kafka: Developed real-time parcel updates, processing state changes for 30,000 parcels monthly.OAuth2 Implementation: Built and integrated OAuth2 login functionality, securing authentication with the backend as a resource server.Payment Gateway Integration: Integrated ČSOB payment gateway to enable card payments within the app.	

Featured Project

GaitQualityAnalyzer
Spring Boot Hibernate PostgreSQL Python Microservice
GaitQualityAnalyzer is a system for analyzing the quality of human gait. Doctors can lookup similar movement patterns to determine optimal procedure for patients with cerebral-palsy disease. More details at: https://is.muni.cz/auth/publication/2237998/cs
Ing. Thesis: Cross-Modal Similarity Searching in Image Data
Python CLIP FAISS Python Microservice
The thesis presents a web application that allows users to search through images and videos stored in a database, either by natural language queries or similar image prompts, with the server leveraging AI to find the best matches.. More details at: https://is.muni.cz/auth/th/t0dk9/

Skills & Tools

Underline indicators	Frequently Used Occasionally
Languages	
Frequently used	Java SQL HTML+CSS TypeScript Python Excel
Occasionally used	Haskell C/C++ Dart
Spoken	Slovak (Native) English (C1)
Technologies	
Backend	Spring Boot Hibernate Elastic Search PostgreSQL Apache Kafka
	Oauth2 REST LDAP
Testing	JUnit5 Mockito PIT Mutation Jest WireMock
Frontend	React Next.js Tailwind CSS Bootstrap Shadcn/ui
Tools & Softwares	
Coding related	IntelliJ Idea VS Code Git Docker Jira Openshift