

Pavel Kudelko

linkedin.com/in/pavel-kudelko | github.com/PavelKudelko

About me

Software engineering student, interested in backend development. Experienced with Express.js, CI/CD, Docker, and messaging tools like Kafka and MQTT (Mosquitto). Knowledge in microservices/serverless. Good communication skills from tutoring and international teamwork. Also a bit of a geek—collect and tinker with handheld consoles.

Education

Tampere University of Applied Sciences

Bachelor's degree, Software Engineering

Tampere, Finland

Aug. 2024 – Expected 2027

LAB University of Applied Sciences

Bachelor's degree, Industrial Information Technology

Lappeenranta, Finland

Aug. 2023 – May 2024

Experience

Project Trainee – Flight Radar System with IoT hardware

May 2025 – July 2025

Tampere University of Applied Sciences

Tampere, Finland

- Built production-ready real-time flight tracking system using IoT hardware (Raspberry PI, ADS-B antennas) with cloud-native microservices architecture
- Developed containerized services with Docker, MQTT communication, and REST/GraphQL APIs backed by optimized PostgreSQL handling 10,000+ daily flight entries
- Created public APIs with technical documentation and Vue.js visualization dashboard for aircraft positions and identifiers

Project Trainee – DanfossLens Flutter HMI App

May 2024 – Aug 2024

Danfoss & LAB University of Applied Sciences

Lappeenranta, Finland

- Developed cross-platform Flutter HMI application for End-of-Line testing with camera input validation using Google ML Kit for text recognition
- Implemented reliable camera functionality for both iOS and Android platforms with extensive validation and testing
- Served as Team Lead, overseeing project planning, workflow organization, and cross-functional collaboration

Industrial Worker

2022 – 2023

Various Companies

Petrozavodsk, Russia

- Industrial laundry: Managed delivery logistics, order packing, and route planning for healthcare institutions
- Grocery warehouse: Handled inventory distribution, order fulfillment, and early morning operations (4 AM starts)

Extra

Degree Tutor

March 2025 – Present

The Students' Union of Tampere University of Applied Sciences (Tamko)

Tampere, Finland

- Guide and train new Software Engineering students during orientation periods
- Support students in navigating academic processes and connecting with faculty
- Develop communication skills through daily interaction with international and local students

Hackathon Finalist

Nov 8-10, 2024

Junction2024

Helsinki, Finland

- Developed ML-powered solution for bark beetle forest disease prediction using multi-gigabyte satellite imagery data
- Implemented an interactive React frontend integrating with a Python-based ML backend and statistical models via REST APIs
- Selected as challenge finalists from 1,500+ participants

Technical Skills

Languages: Python, JavaScript, C/C++, Dart, Java/Kotlin, SQL, HTML/CSS

Databases & Tools: PostgreSQL, MySQL, MongoDB, Git, Linux, Docker

Frameworks: Node.js, Flutter, Jetpack Compose, React, Django, QT

Language Skills

English: Full professional proficiency (studying in English-taught program)

Finnish: A2.2 beginner intermediate level (actively taking language courses)

Russian: Native speaker