

Pavel Kudelko

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About me

Software engineering student interested in backend development and embedded systems. Experienced in backend tools (Express.js, Docker, CI/CD, Kafka/MQTT) and tinkering with Arduino/ESP boards and 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

Backend Intern

SuperHood

October 2025 - present

Helsinki, Finland (remote)

- Building and maintaining TypeScript-based microservice.
- Using Express.js and TypeScript, PostgreSQL as DB, Github Actions for CI/CD.

Project Trainee – Flight Radar System with IoT hardware

Tampere University of Applied Sciences

May 2025 - July 2025

Tampere, Finland

- Built real-time flight tracking system using IoT hardware (Raspberry PI, ADS-B antennas) with microservices architecture
- Developed containerized services with Docker, MQTT communication, and REST/GraphQL APIs with PostgreSQL

Project Trainee – DanfossLens Flutter HMI App

Danfoss & LAB University of Applied Sciences

May 2024 – Aug 2024

Lappeenranta, Finland

- Developed Flutter HMI application for End-of-Line testing results browsing with camera input using Google ML Kit

Industrial Worker

Various Companies

2022 – 2023

Petrozavodsk, Russia

- Industrial laundry: Managed delivery logistics, order packing, and route planning for healthcare institutions
- Grocery warehouse: Handled inventory distribution, packing, survived early morning operations (5 am)

Extra

Degree Tutor

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

March 2025 - Present

Tampere, Finland

- Guided and trained new Software Engineering students during orientation periods.
- Supported students in navigating academic processes and connecting with faculty.
- Developed strong communication and teamwork skills through daily interaction with students and staff.

Hackathon Finalist

Junction2024

Nov 8-10, 2024

Helsinki, Finland

- Selected as challenge finalists!
- Our team developed ML-powered solution for bark beetle forest disease prediction using satellite imagery data.
- Implemented React frontend integrating with ML backend and statistical models via REST APIs.

Technical Skills

Languages: TypeScript/JS, Python, C/C++, Java, SQL

Tools & DBs: PostgreSQL, MongoDB, Git, Linux, Docker, CI/CD with Github Actions, Apache Kafka

Frameworks: Express.js/Node.js, Arduino framework, Spring Boot, React, React Native

Language Skills

English: Professional proficiency (studying in English-taught program)

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

Russian: Native speaker