# Khoi Do

Software Engineer

## CONTACT

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🐙 https://github.com/khoidm2004

🔗 https://portfolio-silk-psi.vercel.app/

📍 Lappeenranta, Finland

## EDUCATION

**LAB University of Applied Sciences - Lappeenranta (2022 - 2026)**
- Bachelor of Engineering, Industrial Information Technology
- Major: Internet of Things (199 ECTS) - GPA: 4,51

## SKILLS

Programming Languages:
- Javascript/Typescript
- Python
- HTML/CSS

Frameworks:
- React
- Vite
- Node
- Jest
- Expo

Databases:
- SQLite/MySQL
- Firebase
- Influx

Tools & Platforms:
- Git
- Linux
- Microsoft Azure
- Raspberry Pico
- Figma

Others:
- Versatile
- Leadership
- Adaptability
- Team-work
- Scrum

## PROFILE

As a final-year Bachelor's student in Industrial Information Technology and a versatile engineer with experience in web, mobile, IoT, and game development, I am seeking my first full-time software engineering role in the IT field. Eager to learn new technologies and challenge myself, I am confident in my ability to quickly adapt and contribute effectively to your organization. Open to relocation within Finland.

## WORK EXPERIENCE

**Project Coordinator**

*LAB University  of Applied Sciences, Lappeenranta, Finland*
May 2025 - Present

- **Designed and developed a web user interface** to visualize material flow in the port area.
- **Designed and built a centralized mobile app** for a dressage horse riding project.
- **Technologies:** React, Vite, TypeScript, React Native, Expo, Microsoft Azure

**Back-End Developer Trainee**

*Piacom - Hanoi, Vietnam*
May 2024 - August 2024 (4 months)

- **Built complete backend infrastructure and service** using **Javascript and Firebase,** implementing database, authentication, and image storage services for a **gas station management platform.**
- **Designed efficient booking logic and reservation workflows** using **JavaScript, reducing booking processing time by 10%** and improving overall user experience.
- **Trained on ERP systems and gas station management platforms** to streamline operations and optimize workflows.
- **Deployed serverless architecture** with **Vercel hosting and Firebase backend, achieving 40% cost reduction.**
- **Technologies:** React, Node,  JavaScript, Vite, Jest, Firebase, Vercel
- **Product link:** https://github.com/khoidm2004/Petrol_Store_Management_Webapp

**Front-End Developer Trainee**

*FPT Information System - Hanoi, Vietnam*
May 2023 - August 2023 (4 months)

- **Optimized React components** using **Material-UI, improving page load performance by 20%** on a car booking platform.
- **Trained on design patterns** (e.g., Component, Render Props) to improve code reusability and maintainability.
- **Technologies:** React, Node, JavaScript, Material-UI, Vite

## LANGUAGE SKILLS

- English - Fluent
- Vietnamese - Native
- Finnish - Basics

## INTEREST

- Gym
- Soccer
- Build side programming project

## REFERENCE

Available upon request

## PROJECT

**Humidity Data Collection IoT System**
**Description:**
- Technologies: MicroPython, ReactJs, NodeJs, Telegraf, InfluxDB, Azure
- Description: This project establishes an IoT data pipeline connecting a Raspberry Pi Pico W running MicroPython to a cloud-based infrastructure to collect the atmosphere humidity and visualize the data.
- Demo Link: Click Here

**Resort IoT Project**
**Description:**
- Role: Project Manager, Backend Dev, Tester, Deployer
- Technologies: MicroPython, Figma, ReactJs, NodeJs, Firebase, InfluxDB, Jest, Alibaba ESC, Vercel
- Description: IoT Systems to monitor and optimize client experiences through real-time data collection and analysis for Rakkaranta Resort
- Demo Link: https://resort-iot-project.vercel.app/

**Scalable Master Calendar**
**Description:**
- Role: Project Mentor
- Technologies: Figma, ReactJs, NodeJs, MySQL, Firebase, Vercel
- Description: Creating a scalable master calendar solution that allows customers to merge multiple calendars into a private, unified view - overcoming the limitations of single calendar system for Coolla Oy