



Kasper Kuirinlahti

SOFTWARE DEVELOPER

Full-stack .NET · databases · server infrastructure · AI integrations

EMAIL kuirinlahtikasper@gmail.com GITHUB github.com/ONullNull LOCATION Parkano, Finland

PROFILE

Software developer who designed and built a large operations platform that is in daily production use, end to end: from the user interface and APIs to the database, server infrastructure and AI integrations. I enjoy building systems where technology supports real work, and I learn new things quickly.

I am a generalist by experience, and now I want to go deep in one area and grow into an expert in it alongside more experienced developers.

LOOKING FOR software developer roles in the Pirkanmaa region or remote.

EXPERIENCE

Software Developer

11/2025–

Suomen Tekojää Oy · ice rinks, heat pumps and refrigeration

Designed and built the company's internal operations platform, which is in daily production use by about 15 people, with rollout still expanding. I am responsible for its development and operation.

400+

devices across 200+ sites

20,000+

files and images

≈ 100,000

changes in the audit trail

Operations platform

.NET 10 · Blazor · PostgreSQL

Equipment registry, service and work reports, project management, chat and notifications.

PLC data collector

Python · Windows service

Collects data from controllers at customer sites. Setup wizard and signed automatic updates.

AI assistant

Claude API · Ollama · RAG

Finds and works with company data within each user's access rights.

Customer portal

ASP.NET Core

Separate internet-facing app for customers, isolated from internal data.

Server infrastructure

Docker · Nginx · Linux

Deployments, backups, monitoring and security on company-owned hardware.

CASE STUDY

kuirinlahti.dev/showcase/en.html

Field Operations Platform

≈ 270,000 lines of code · 1,600+ commits · 9 feature areas

Commissioned projects

2021–2024

During studies · Games for local companies, commissioned through school.

EDUCATION

Vocational Qualification in ICT

2021–2024

Software Developer · Vuoksi

POSITIONS OF TRUST

Vice-chair, Parkano Youth Council

2019–2020

DAILY USE

C# · .NET / ASP.NET Core · Blazor
Entity Framework · PostgreSQL
JavaScript · HTML / CSS · Docker
Linux · Git

EXPERIENCE WITH

Python · C++ · SignalR · TimescaleDB
REST APIs

filled = daily use · outlined = experience

AI

Claude API · Ollama · RAG / pgvector
LLM agents
AI-assisted development

DEVELOPMENT TOOLS

Visual Studio · VS Code
Claude Code · GitHub
GitHub Actions · pgAdmin · xUnit

INFRASTRUCTURE & SECURITY

Docker Compose · Nginx · YARP
TLS / private CA · pgAudit

INTEGRATIONS

Beckhoff TwinCAT / ADS
Microsoft Entra ID & Graph
Pipedrive API · Google Maps API
Web Push · WebAuthn / passkeys
PyInstaller

OTHER SOFTWARE

Photoshop · DaVinci Resolve
Word & Excel

LANGUAGES

Finnish native
English excellent

OTHER

Driving licence (B) own car