

Oleksandr "Alex" Dementiev

MIDDELBURG, NETHERLANDS

oleksandr.dementiev@outlook.com

+31 6 51878165

alexdem.dev

in/oleksandrdementiev

SOFTWARE ENGINEER

EXPERIENCE

Software Engineer

Sep 2025 - Present

Zephyros Control Room / University → Freelance

Digital control-room simulator for offshore wind-turbine operator training.

Integrated SCADA & CMS data across six sensor categories; built scenario-based simulations with multi-phase fault progression, predictive health analysis and interactive diagnostic quizzes.

Vue.js

Laravel

Python

MySQL

Independent Software Engineer

May 2026 - Present

Trumka / Side Project

AI-driven algorithmic trading system for crypto perpetuals (live & paper).

Runs multiple fully isolated sessions in parallel, each with configurable risk caps, leverage, strategy parameters and per-phase AI model. Prompt-level logging keeps the operator in control: fully autonomous, or hand back the wheel anytime.

Vue.js

FastAPI

Python

Independent Software Engineer

Nov 2025 - Feb 2026

UMKA / Side Project

AI-powered desktop assistant with a multi-agent architecture for context-aware PC control: executing tasks, automating workflows and running system-level operations through natural-language commands.

SvelteKit

Bun

Elysia

Python

Software Engineer

Mar - Jul 2025

Infodatek Group / Internship

Built an AI-powered documentation system for a SaaS ERP, using hierarchical prompting with a developer audit workflow, semantic search, knowledge base, AI chatbot and automated CI/CD integration.

Vue.js

Node

PostgreSQL

RabbitMQ

Docker

Full-Stack Developer

Sep 2024 - Jan 2025

ZeeHealthy / University Project

Multi-role marketplace connecting students with local farmers, built on a microservices architecture with real-time chat.

SvelteKit

Node

Supabase

Docker

EDUCATION

B.Sc. Information & Communication Technology

HBO-ICT, track Software Engineering · HZ University of Applied Sciences, Middelburg

2022 - 2026 (expected)

Minor — Applied AI & Ethics

HZ University of Applied Sciences, Middelburg

STACK

LANGUAGES

TypeScript · JavaScript · Python · PHP

FRONTEND

Vue.js · Nuxt · SvelteKit · Tailwind · Three.js

BACKEND

Node · Deno · Bun · Elysia · FastAPI · Laravel · RabbitMQ

DATABASES

PostgreSQL · MongoDB · MySQL · Supabase

DEVOPS & AI

Docker · Git · Linux · CI/CD · GraphQL · LLM APIs

FOCUS

- Full-stack development
- Live monitoring systems
- AI automation
- Developer tooling & DX
- End-to-end ownership

SPOKEN LANGUAGES

Ukrainian NATIVE

Russian NATIVE

English C1

Dutch A2

French A2

INTERESTS

Electronics · 3D modeling · Photography · Trading