

MAKSYM ZAKHAROV

AI Integration & Automation Engineer | Systems / Infrastructure | Junior DevOps

Germany | Remote EU | Relocation to Belgrade in early 2027

xclusive.ukraine@gmail.com

xdatasys.com

18+ mo

commercial hosting

50+

paying SaaS clients

-82%

disk per CS2 instance

-39%

route time | R/Engine

TECHNICAL PROFILE

Engineer across AI/LLM integration, business-process automation, systems/infrastructure and application development. Production experience with Linux, Proxmox, Docker, PHP, Python, MySQL, REST APIs, local LLM/RAG, hosting operations, migrations and incident troubleshooting. I own architecture, integrations, validation and production support; AI-assisted coding is used as an engineering tool, not a substitute for technical ownership.

CORE TECHNICAL EXPERIENCE & RESULTS

01

XCloudPro / X-CLUSIVE HOST

Systems Administration | Hosting Operations | 2024-present

Run a paid web/game-hosting service: Linux, ISPmanager 6, Pterodactyl, PHP/MySQL, DNS/TLS, backups, L3/L4 filtering and incident troubleshooting. Migrated production to OVH Poland in 2026 while retaining separate recovery infrastructure. A shared CS2 game core reduced disk per instance from about 55 GB to 10 GB (-82%).

02

LOCAL AI LLM / CODING AGENT

AI Integration | LLM Engineering | Infrastructure | 2026

Built a Proxmox -> LXC -> Docker -> local Qwen -> tools -> sandbox -> validation workflow for PHP/Python repositories. Added model routing, CPU/GPU placement, bounded repository access and automated lint/static-analysis/tests. Internal trials: 7 documented PASS scenarios, 4.91x tested-context growth and about 23% faster decode in one benchmark.

03

X-BOT + AI/RAG SUPPORT

Python Automation | SaaS | RAG | 2024-2025

Commercial automation platform with 50+ paying clients, about 50 modules and around 12 months of active support. Python/asyncio/MySQL/REST integrations with Steam, FACEIT, RCON/A2S and Discord. The AI support subsystem used RAG, source tags, groundedness checks and multi-step ticket workflows in RU/UA/EN.

04

R/ENGINE | LAST-MILE DELIVERY

Full-Stack | Process Automation | Logistics | 2026

Built a Mobile Web App integrating delivery import, geocoding, stop optimization, GPS navigation, completion tracking and TTS. PHP/Python/JavaScript/SQLite with OSRM, VROOM, Photon and Azure TTS; 85 automated test files. Field use in 5 districts: one route 3:17 -> about 2:00 (-39%), up to -50% in individual shifts.

05

INDUSTRIAL CMS

PHP 8.4 Full-Stack | B2B Automation | 2026

Custom PHP 8.4 MVC/DI + SSR platform with 29 database tables, 7 access roles, revision/publish/audit workflow, cache fallback and security controls. Production media example: 2.75 MB PNG -> about 200 KB WebP (-93%).

06

VIRTUAL WINDOWS WORKSTATION

Virtualization | GPU Passthrough | 2026

Windows 11 VM on Proxmox/KVM with VFIO/IOMMU and GTX 1070 passthrough, Linux bridge, native NVIDIA drivers and Sunshine -> NVENC -> Moonlight remote access.

07

WINDOWS INSPECTION

Desktop + Web Full-Stack | 2026

WPF/.NET 8 collector plus PHP/MySQL web app for reports, cases, comments, access control and licensing. 71 completed inspections and 67 web reports, including 4 external PCs.

08

X-CLUSIVE

Game Infrastructure | Technical Operations | 2021-2026

Operated live Counter-Strike infrastructure: up to 13 servers, about 10 active, 308 peak CCU, about 7,000 daily unique players and 200K+ Steam accounts. Covered releases, configuration, monitoring, payments, websites, infrastructure and production fixes.

TECHNICAL STACK

SYSTEMS / DEVOPS

Linux | Proxmox VE | KVM/QEMU | LXC | Docker | VFIO/IOMMU | Linux Bridge | OVH VPS | ISPmanager | Pterodactyl | DNS/TLS | backups | L3/L4 filtering | logs

AI / AUTOMATION

Local LLM | Qwen | Open WebUI | llama-router | RAG | agents/tool workflows | knowledge bases | model routing | context/inference benchmarking

BACKEND / DATA

PHP 8.x | Python | JavaScript | MySQL | SQLite | REST/JSON APIs | SSR | MVC/DI | asyncio | webhooks | APCu | Memcached

SECURITY / QA

CSRF | secure cookies | Argon2id | rate limiting | sanitization | MIME validation | AES-256-GCM | migrations | regression tests | rollback readiness

ENGINEERING PRACTICE

Architecture and requirements | API integrations | deployment and migrations | logs and incident troubleshooting | automated tests | regression checks | static analysis | database migrations | backup/restore | production and field validation.

EDUCATION / LANGUAGES / FORMAT

Bachelor's Degree - Law Enforcement. Languages: Russian and Ukrainian native; English B1 spoken / B2 written; German A2. Germany / Remote EU; relocation to Belgrade in early 2027.

TARGET ROLES

AI Integration Engineer | AI Automation Engineer | Business Process Automation Engineer | RAG / LLM Integration Engineer | System Administrator | Infrastructure Engineer | Junior DevOps Engineer | Technical Operations Engineer | Full-Stack Product Engineer