



# Andrii Vasyliev

Co-founder | Tech Lead | Senior Full-Stack Developer

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[LinkedIn](#) [GitHub](#)

## LANGUAGES

JavaScript TypeScript Python  
PHP C++

## FRONTEND

Vue 3 HTML5 CSS3  
Tailwind CSS SASS/SCSS jQuery  
Bootstrap

## BACKEND

Laravel Yii FastAPI Symfony

## PROTOCOLS & APIS

REST API WebSocket MQTT  
HLS OAuth 2.0 SAML SSO

## DATABASES

MySQL PostgreSQL Redis  
RabbitMQ Memcached

## INFRASTRUCTURE

Docker Nginx Apache AWS S3  
CI/CD GitLab CI/CD Git Linux

## AI

OpenAI/GPT-4 AI Agents

## PRACTICES

DDD SDD TDD RBAC

## TESTING

PHPUnit Behat Vitest Selenium

## SOFT SKILLS

Problem Solving Mentoring  
Adaptability Responsibility  
Cross-team Collaboration

## PROFILE

Full-stack developer and technical leader with 12+ years of experience building scalable web platforms, leading teams, and co-founding tech products. Skilled in architecting complex systems from scratch — from real-time IoT platforms to AI-powered tools. Driven by solving hard problems, mentoring developers, and shipping products that matter. Looking for a collaborative engineering team where I can contribute to impactful features, explore modern technologies, and grow alongside strong peers.

## OPEN SOURCE

**RCH (Realtime Control Hub)** [GitHub ↗](#)  
SOLO DEVELOPER & PRODUCT OWNER

Open-source full-stack IoT/robotics real-time control platform — "The Grafana for control." Self-hosted web panel where users create workspaces, connect devices via REST/MQTT/WebSocket/ROS2, build dashboards with 43 drag-and-drop widget types, and control devices bidirectionally with ACK-confirmed commands.

- ▶ Real-time bidirectional data binding engine with 13 data transformation types
- ▶ Multi-protocol connector system (REST, MQTT, WebSocket, ROS2)
- ▶ RBAC: 4 roles, 39 permissions, workspace-scoped isolation
- ▶ 2300+ automated tests (pytest + Vitest), strict TypeScript, 0 failures
- ▶ One-command Docker deploy, PWA, 13 languages, dark/light themes
- ▶ Challenge: designing real-time architecture from scratch — bidirectional data binding with ACK-confirmed commands across a multi-protocol system, engineered for clockwork reliability

Python FastAPI PostgreSQL Redis Vue 3 TypeScript Tailwind CSS  
Docker

## EMPLOYMENT HISTORY

## LANGUAGES

English — B2

Ukrainian — Native

## HOBBIES

Robotics: CNC, 3D printing,

Fusion 360

Arduino: C++, automatic systems

Cycling: exploring new places

## Senior / Lead Full-stack Developer, MetaDesign (via Unicsoft)

DECEMBER 2016 — JUNE 2026

Core developer and team lead on enterprise Brand Management Systems (BMS) serving global brands. Modular platform architecture (core + customer layer with overrides) shared across 23+ client installations via Git submodules. Direct collaboration with MetaDesign (Berlin) — full ownership of technical decisions, architecture, code reviews, mentoring, and CI/CD pipelines.

- ▶ Architected and maintained BMS platforms for 23+ enterprise clients: Volkswagen, Porsche, Lidl, AstraZeneca, E.ON, DPDHL, and more
- ▶ Built modular CMS with Page Builder, DAM (Digital Asset Management), Media Database, Newsletter engine with CSS inlining, Workflow approval system
- ▶ Implemented SAML SSO, OAuth 2.0 API, RBAC, multi-tenant and multi-site architecture with i18n support
- ▶ Led development team: code reviews, task distribution, mentoring junior/mid developers, enforcing code quality standards (PHPCodeSniffer, ESLint)
- ▶ Set up full GitLab CI/CD pipeline: lint → test → build → deploy across dev/staging/production environments
- ▶ PDF generation (TCPDF, PrinceXML), media processing (ImageMagick, FFmpeg), SVG icon font pipeline
- ▶ Challenge: implementing OAuth 2.0 and SAML SSO for enterprise clients with strict security requirements — full responsibility for integration with corporate identity providers

PHP   Yii   MySQL   JavaScript   jQuery   SCSS   Gulp   Docker   GitLab CI/CD  
OAuth 2.0   SAML SSO   REST API   PHPUnit   Behat

### BMS DEPLOYED FOR:

Volkswagen   AstraZeneca   MetaDesign   DPDHL   Voestalpine   Autostadt  
Daiichi-Sankyo   IT Emotionalisierung   Porsche   DSGV   DEW21   Conrad   Lidl  
Ergo   Tideland   E.ON   Rehau   Event Hotels   RuV   AmerisourceBergen  
Avacon   Piepenbrock   TKE

## Co-founder, Full-stack Developer, Funely AI

JUNE 2022 — 2026

Built a SaaS platform from scratch for AI-powered landing page creation, intelligent traffic routing, lead management, and ad campaign orchestration (Google Ads, Facebook Ads). Multi-language support (10 languages), multi-workspace architecture, Stripe subscriptions.

- ▶ Initialized and architected the entire project — Laravel backend with DDD (28 bounded contexts), Vue 3 SPA frontend
- ▶ Integrated GPT-4 AI assistant for automated content generation, ad campaign creation, and recommendations

- ▶ Built visual landing page constructor with 5 themes, section editor, real-time preview, SEO optimization
- ▶ Implemented RBAC with multi-workspace team management and 30+ granular permissions
- ▶ Integrated Google Ads API & Facebook Ads API for campaign management directly from the platform
- ▶ Stripe payment integration, i18n (10 languages), CRM module for lead management
- ▶ Challenge: self-taught LLM expertise at an early stage when few professionals existed in this niche — from research to a production-ready AI assistant

PHP 8.4   Laravel   Vue 3   OpenAI/GPT-4   MySQL   Redis   RabbitMQ   Docker  
Google Ads API   Stripe   AWS S3

### Lead Developer, UkrSolution (TestCraft)

NOVEMBER 2025 — JUNE 2026

Built an automated UI testing platform: Chrome MV3 extension for visual test creation and server infrastructure for running tests in isolated Docker containers with headless browsers. Designed dual FastAPI architecture (public + internal APIs), SSH-tunneled test orchestration, HLS live streaming of test execution, and Telegram notifications.

- ▶ Chrome MV3 side-panel extension with visual test scenario builder, CSS selector picker, inline CodeMirror editor, and real-time HLS stream viewer — all as isolated Vue 3 apps in Shadow DOM
- ▶ Backend: FastAPI dual-app architecture, asyncnotify-based long-polling, Docker-isolated xvfb containers (Selenium + Chrome/Firefox + FFmpeg HLS)
- ▶ Security: seccomp profiles, SSH forced commands, user isolation, minimal privileges
- ▶ Challenge: achieving stable Selenium test execution in Docker containers — solving headless browser, xvfb, and environment isolation issues

Python 3.13   FastAPI   Vue 3   TypeScript   Docker   Selenium  
Chrome Extensions MV3   Tailwind CSS   Zod

### Web Developer, A-Team Global, Zaporizhzhya

MAY 2013 — OCTOBER 2016

Full-stack web development across multiple CMS and framework platforms for diverse client projects.

- ▶ Built and maintained web applications using Yii, CodeIgniter, CakePHP, WordPress, and Joomla
- ▶ Delivered 10+ client projects end-to-end: requirements gathering, development, deployment



- ▶ Gained foundational experience in PHP ecosystem, MySQL, frontend development, and Linux server administration

## EDUCATION

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**Bachelor's, Zaporizhzhya National Technical University**

SEPTEMBER 2012 — MAY 2016

Computer Science and Technology