

# MAX YASTREMSKYI

Based Ukraine, UTC+3    Open to Remote worldwide • relocation • available at two weeks' notice

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## SUMMARY

Senior Backend Engineer and Tech Lead with 6+ years shipping production Laravel platforms for CRM, e-commerce, manufacturing and premium-services businesses. I own complex domains end to end – order lifecycles, multi-station production workflows, payments, clearing and accounting – and design microservice back-ends on PHP 8.4 and Laravel 12, integrating payment, messaging, calendar and logistics providers with sandbox-verified reliability. I also build and lead AI-assisted engineering: I authored Groundwork, and I ship applied-AI features to production with a strict bias toward tests, grounding and verified integrations.

## SELECTED ACHIEVEMENTS

- Authored and open-sourced Groundwork (MIT) – an AI spec-driven development platform for Claude Code: risk-based task classification, five specialised review agents, automated gates and a companion-plugin ecosystem. Adopted across seven production codebases; roughly one task in three is stopped before code as mis-scoped.
- Shipped applied AI to production: voice intake behind schema-constrained, temperature-zero extraction, an intent gateway that validates model output instead of executing it, OCR and computer-vision pipelines – with provider fallback, prompt-injection defence and response-regression tests.
- Engineered payment and financial subsystems: card tokenization (tokens only), hierarchical payment requests, idempotency-keyed clearing, multi-currency decimal money with bcmath, accounting and tax export, signed-webhook reconciliation and all-or-nothing document issuance.
- Built a reusable multi-market headless commerce platform: storefront JSON API plus back-office admin, a retail and wholesale pricing engine, driver-abstracted payments and delivery, and an ERP catalogue sync.
- Delivered order-lifecycle and production-workflow platforms: multi-station scan tracking, quality control, weighted auto-assignment, server-side RBAC and right-to-left document rendering.

## EXPERIENCE

Apr 2024 – Present

### SENIOR BACKEND ENGINEER • TECH LEAD

**RaDevs**

- Authored and open-sourced Groundwork, and set the team's engineering standards and Definition of Done around it.
- Built a reusable multi-market headless commerce platform: storefront JSON API, back-office admin, retail and wholesale pricing engine, driver-abstracted payments and delivery.
- Shipped applied AI to production – an intent gateway that validates model output instead of executing it, voice intake behind schema-constrained extraction, OCR and computer-vision pipelines.
- Engineered the payment and financial subsystems: card tokenization, idempotency-keyed clearing, decimal money with bcmath, accounting and tax export, signed-webhook reconciliation.
- Architected order-lifecycle and production-workflow systems with multi-station scan tracking, quality control, weighted auto-assignment and centralised state-transition guards.
- Mentored engineers through review agents and architecture decisions.

Aug 2022 – Apr 2024

### FULL-STACK PHP ENGINEER

**TerraForce Software**

- Built and maintained e-commerce backends with subscription payments, local checkout and delivery, multi-language storefronts and response-query caching.
- Developed admin panels with custom tools, cards, fields and dashboards, including a leads-management CRM with rich-text editing and invoice generation.
- Built API-first mobile app backends: JWT auth, push notifications, QR codes, two-factor auth, and PDF/Word/Excel document generation.
- Delivered search-driven features – full-text search, geo-targeting, SMS and messenger notifications, real-time sockets, social login.
- Integrated an early LLM alongside Google APIs and web-scraping pipelines for content generation.

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| Jun 2020 – Aug 2022 | <div><b>PHP ENGINEER</b></div> <div>Imrev</div> <div><ul style="list-style-type: none"><li>– Built e-commerce and corporate platforms end to end – custom modules, admin panels and storefronts – across concurrent client projects.</li><li>– Integrated payment, shipping and analytics providers, replacing manual client workflows with automated order flows.</li><li>– Optimised page, catalogue and search performance through query tuning, indexing and caching, and owned post-production incident handling.</li></ul></div> |
| Jan 2020 – Jun 2020 | <div><b>JUNIOR ENGINEER (C++ / .NET)</b></div> <div>YUKS++</div> <div><ul style="list-style-type: none"><li>– Maintained and extended legacy modules, contributed to a migration to WinForms, and resolved pre-release defects during QA and hardening cycles.</li></ul></div>                                                                                                                                                                                                                                                         |

TECHNICAL SKILLS

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| <div><b>BACKEND &amp; PLATFORM</b></div> <div>PHP 8.4, Laravel 12</div> <div>Node, NestJS</div> <div>MySQL 8, PostgreSQL</div> <div>Redis</div> <div>Docker</div> <div>Microservices</div>                                           | <div><b>MONEY &amp; CORRECTNESS</b></div> <div>PCI card tokenization</div> <div>Idempotency keys</div> <div>Decimal money with bcmath</div> <div>Multi-currency and VAT</div> <div>Accounting and tax export</div> <div>Recurring billing, direct debit</div> | <div><b>APPLIED AI IN PRODUCTION</b></div> <div>Schema-constrained extraction</div> <div>Tool calling without auto-execution</div> <div>Per-call cost accounting</div> <div>Provider abstraction and fallback</div> <div>Prompt-injection defence</div> <div>Response-regression tests</div>  |
| <div><b>INTEGRATION &amp; RELIABILITY</b></div> <div>Driver fallback chains</div> <div>Delivery-status webhooks</div> <div>Integration health-probe registry</div> <div>Queued job chains</div> <div>OAuth2 machine-to-machine</div> | <div><b>HARD RENDERING &amp; DATA</b></div> <div>Hebrew RTL and bidi PDF</div> <div>OCR by morphological grid extraction</div> <div>CIE-Lab colour classification</div> <div>Typo-tolerant search and ranking</div> <div>FFmpeg and Imagick pipelines</div>   | <div><b>HOW I LEAD</b></div> <div>Spec-driven development</div> <div>Blast-radius discovery before planning</div> <div>Adversarial verification</div> <div>OpenAPI contracts kept current</div> <div>Server-side RBAC</div> <div>Frontend when it is in the way: Vue, React, TypeScript</div> |

LANGUAGES & AVAILABILITY

**English** B2    **Ukrainian** Native    **Russian** Fluent

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