ILIA PROKOPENKO

Full Stack engineer | PHP Golang JS CI/CD | relocation

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📍 Russia, Moscow

EDUCATION

09/2007 - 07/2012
• Master's Degree, Engineer
  Kuban State Polytechnic University

LANGUAGES

English
Proficient   ●●●●○

Russian
Native   ●●●●●

SUMMARY

Backend: Go stdlib. PHP 8, Laravel / Symfony, SQL, Docker. Proficient in PHP, switching to Go.
Frontend: JavaScript / TypeScript, Vue 3, TailwindCSS.
Proficient in industries: e-comm, realty, fintech.

I have been programming and doing system design for almost 10 years, helping IT businesses grow.

Microservices, monolith, distributed systems, REST API, systems design, Layered Architecture (4-tier), DDD, performance, Gitlab CI/CD, maintain unix servers, EDA (event-driven arch., pub/sub, Kafka), huge expertise in UI/UX and frontend overall, testable code (TDD), devops, monitoring, logs, no ORM - plain SQL, Docker, scalability but not overengineering. FOOP adept.

Focus on Backend, developer experience, performance and distributed systems.

SKILLS

PHP   Go   Golang   JavaScript   TypeScript   VueJS   Tailwind CSS   Laravel

Symfony Framework   Microservices   Distributed systems   DDD   Systems Design

Layered Architecture   Docker   Docker-Compose   PostgreSQL   NoSQL   MySQL   Apache Kafka

TDD   Test-Driven Development   EDA   Event-Driven Architecture   MongoDB   Doctrine (PHP)

REST APIs   Redis   Git   Devops   Gitlab   CI/CD   Linux   OOP   FOOP   PHPUnit   PHPStan

CQRS   Event Sourcing   Distributed tracing   Saga   Traefik   NuxtJS   Node.js   Bootstrap

BabylonJS   Python   Front-End Development   Front-End Design   Full-Stack Development

Optimization Techniques   Yii2   OpenCart   Swagger   OpenAPI Specification (OAS)   OpenAPI

CSS   SPA   SEO   HTML   JIRA   Nginx   Traefik

EXPERIENCE

09/2024 - Present

Moscow, Russia

Lead Backend Software Engineer
ITLabRealty

Helping IT platform to neglect weaknesses and growth up strengths.

- Researched and implemented a new way to parse PDF files using Python. Speed up the process to 5x, optimized resource consumption. Improved parsing quality by reducing error rate from 2.5% to 0.1%.
- Wrote the Golang service for making large XLSX files. This reduced file generation from 2 hours to 7 sec (up to 1000x faster). Rewrote CSV generation OOP-based to FOOP-based style that increased performance 100x.
- Created system design diagram documentation of 7 related services.
- Developed strategy to draw accurate graph-like view of hundreds of database tables. Using enriched .graphml format.
- Inject PHPStan, PHP-CS (PER-CS2.0) checking into Gitlab CI. Use githooks locally.
- Raised a test environment on phpunit 9 for a large project, trained the team to work with tests.

04/2023 - 09/2024

Moscow, Russia

Senior Full Stack Engineer
xStack payment technologies

I am worked on e-wallet payment platform.

- Participated in the development of new functionality in a team of professionals.
- Interacted with designers and testers.
- Led the transition to Tailwind CSS, accelerating the development of new frontend features.
- Integrated PHPStan for static analysis, reducing typos and errors in new code.
- Implemented PSR12 to standardize code style, enhancing maintainability.
- Simplified workflows for asynchronous components using Kafka, improving transparency and reliability.
- Implemented new robust worker system based on PHP Interfaces.
- Introduced Docker, cutting new employee onboarding time for development environments from 5-7 days to 1-2 days.

01/2019 - Present

Moscow, Russia

CTO Software Engineer
Private

See projects in regarded section.

- Developed several services: Dazainme Shop, Dazainme Garden, Finalscore, Havidea.

06/2018 - 03/2023

Moscow, Russia

Senior Full Stack Developer
Best-Novostroy

- Worked directly with business-side colleagues to align technical solutions with strategic goals.
- Designed and built multiple services from scratch, starting with mindmaps through to CI/CD pipelines.
- Planned systems architecture and implemented scalable designs to meet business needs.
- Designed and developed UI using Vue.js with a focus on UX optimization.
- Created a service leveraging event-driven architecture (EDA) to improve real estate market data quality: a) Compared data from multiple sources against mainstream datasets. b) Automated parameter checks, highlighted discrepancies, and assisted data managers in refining core datasets.
- Parsed and structured data from over 500k PDF files, representing millions of records in the database.
- Built a scalable multiworker environment for background tasks using Docker Compose.
- Developed Swagger docs and Node.js microservices for enhanced interoperability.
- Implemented REST APIs, OpenAPI Specification (OAS), and Dockerized services for seamless deployment.
- Streamlined CI/CD processes with GitLab and Docker.
- Administered services with Traefik, Redis, PostgreSQL for robust backends.
- Used PHPUnit for tests while followed test-driven development (TDD).

EXPERIENCE

04/2017 - 06/2018

Moscow, Russia

Full Stack Developer
Enterprise Technology Center

- Developed a platform enabling users to launch online shops in "1 click."
- Built a landing page builder for shop customization.
- Created admin panels for: a) General statistics (user activity, store performance). b) User and store management. c) User activity tracking and feedback systems. 4) Dynamic banner system.
- Led a team of three developers, overseeing task delegation and project timelines.
- Utilized PHP (pure and frameworks: Yii2, Laravel 5.6) for backend development.
- Designed and implemented a large service-sale module with time-slot booking capabilities.
- Designed and deployed MySQL databases for tasks of varying complexity.
- Developed an API-first project prototype using Laravel, Vue.js, Nuxt, and Bootstrap 4.
- Focused on integrating SEO optimization.
- Implemented cross-domain OAuth2 authentication (modified password grant flow).
- Deployed and maintained a CentOS 6.8 environment (4 servers).
- Worked with Nginx, Node.js, Java, PHP7, and Spring/Hibernate.
- Leveraged Git for version control and Jira for task tracking and collaboration.
- Successfully delivered a seamless "1-click" online shop solution, increasing user onboarding efficiency.

03/2016 - 02/2017

Krasnodar, Russia

Full Stack Developer
ItLab23

- Built a company website from scratch using HTML, CSS, JavaScript, and PHP without frameworks.
- Delivered a functional, lead-generating site that remains operational and effective over 8+ years later.
- Conducted extensive SEO optimization to enhance search engine visibility.
- Wrote and managed website content, ensuring alignment with marketing objectives.
- Managed paid ad campaigns on Yandex.Direct and Google Ads.
- Optimized campaigns to reduce CPC and lead costs.
- Developed, edited, and integrated modules in OpenCart to support e-commerce functionality.

OWN PROJECTS

Dazainme Shop

📅 01/2020 - Present

https://dazain.me
Jewelry store.
Go rest API, Lumen PHP framework, Doctrine ORM, VueJS 3, TailwindCSS, Postgresql, Redis, Traefik, Docker, Docker-compose, Nginx, Gitlab ci/cd, Loki Grafana logs, own PHP alpine-based build, Sentry. Multicurrency, multilanguage shop for family business. Project has dedicated custom CRM. Prerender.io used for proper search engine rendering. The main challenge here was to build fastest client-side rendering site with minimum dependecies.

Dazainme Garden

📅 01/2022 - Present

https://garden.dazain.me
3D jewelry gallery. In develop.
It's built on top of BabylonJS, TypeScript, ViteJS, Gitlab ci/cd, Nginx with Brotli. ALL what you will see was created by me. The main challenge that I accepted in this project was to built lightweight WebGL2 application. Use of physics engine.
- Deliver innovative and creative marketing approach.

Finalscore Online

📅 01/2021 - Present

Private application developed for wine industry company. App purpose is to record attendance at events based on QR codes.
Laravel, VueJS, Centrifugo WSS, MySQL, Redis, Traefik, Docker, Docker-compose, Nginx, Gitlab ci/cd.
- It runs for 3+ years without maitanance: screenshot proof.

Havidea

📅 2019

Social network for creatives (project closed).
Laravel, MySQL, Minio S3 (AWS s3), Redis, VueJS 3, Quasar UI framework, ElasticSearch, Traefik, Docker, Docker-compose, Nginx, Gitlab ci/cd. https://habr.com/ru/articles/458188/