CV Dmytro Shatrov

Location: Lviv, Ukraine
Education: Master of COMPUTER SCIENCE Kharkiv National University of Civil Engineering and Architecture (MD Computer Science) **2014** - **2020**

Languages:
- PHP
- JS
- TypeScript
- Python

Frameworks and CMS:
- Laravel
- Nest.js
- Express
- Vue.js 2, 3
- React
- Django
- NextJS

Libraries, Techs, API's:
- Docker, DockerCompose, AWS ECR, ECS, Gitlab Container Registry
- Testing: phpunit, pest, jest, vitest
- AWS: EC2, EBS, RDS, SES, SNS, SQS, ElastiCache, S3, Cloudfront, ECS, DynamoDB
- Serverless (AWS Lambda, Amplify, Vercel, Supabase)
- DigitalOcean, Google Cloud
- Nginx
- CI/CD: Gitlab CI, Github Actions
- REST, GraphQL
- npm, composer

Social Networks: Facebook, Twitter, Google
Payment Gateways: PayPal, Liqpay, Stripe, Apple Pay;
Integrations: Twilio, Shopify, Magento, Alloy Forge

Databases: MySQL, MongoDB, PostgreSQL, DynamoDB

Environments:
- **IDE:** PHPStorm (primary), VS Code, WebStorm, PyCharm, nano;
- **Web Servers:** nginx (primary), apache;
- **Version Control Systems:** GIT;
- **OS:** Linux, Windows, MacOS

Tools/Other:
- **Testing: PHPUnit, jest, pest, vitest**
- **Static Analysis: Psalm, PHPstan**
- **Bug Tracking Systems:** Jira, Trello;
- **Other:** Postman, Telescope, DataGrip

Foreign languages: English - Upper-Intermediate B2 (as of 2022)

Portfolio

[KeepStyle](#)

Sep 2019 - Feb 2020
Position: PHP + JS full stack developer
Web site: https://keepstyleshop.com
Project description: Online dress store for Ukrainian dressing brand
Advantages: From-scratch website development using Laravel + October CMS, working with frontend layout developer to integrate existing layout with backend, integrating payment gateways (LiqPay) and shipment providers (Nova Poshta)
Responsibilities: Full Stack development from scratch
Used technologies: PHP, Laravel, October CMS, Twig, JS, LiqPay, Nova Poshta API

Duration: 5 months

[LiveMySteps](#)

Jun 2020 - Sep 2021
Position: PHP Backend developer, DevOps
Web site: https://livemysteps.com
Project description: Social network for travellers similar to Instagram but with more powerful geoposition-related features (location calendars, tracking, notifications), including Android & iOS apps and web app
Advantages: From-scratch REST API development for mobile apps, including API versioning, integration with social networks (Google, Twitter, Facebook, AppleID), implementing Subscription feature including integration with Play Market services (Android) and AppStore services (iOS), subscription auto prolongation using scheduler on worker instance. Setting up development and testing environment on AWS EC2 instances, setting up continuous integration & delivery. One of the most challenging parts was a production release, including setting up pipelines to publish apps in Play Market and AppStore, setting up AWS infrastructure for REST API with load balancer using AWS services, also pre-release load testing of developed infrastructure
Responsibilities: PHP REST API development, managing AWS infrastructure, team leading, mentoring, code reviewing, handling communication with product owner
Used technologies: PHP, Laravel, PHPUnit, React, React Native, PostgreSQL, Redis, AWS
Duration: > 1 year with about 4 months break

EduCoach.de

Nov 2020 - Mar 2021
Position: Nest.js Backend Developer, DevOps assistant
Web site: https://educoachapp.de
Project description: Platform for distance learning for high school students, including mobile application and a web site.
Advantages: From-scratch REST API development using Node.js, Nest.js framework and Type ORM. Key features are real-time group chats and video calls with Twilio API integration, education materials database and possibility for teachers to conduct classes online. DevOps assisting including setting up pipelines for CI/CD, managing Google Cloud platform, investigating application logs
Responsibilities: REST API development, DevOps assisting
Used technologies: Node.js, Nest.js, TypeScript, TypeORM, PostgreSQL, React, Twilio, Google Cloud,
Duration: 5 months

Earneo Tube

Sep 2020 - Oct 2021
Position: Backend developer, team leader, DevOps
Web site: https://earneo.tube
Project description: Video hosting platform where both viewers and creators get reward in crypto tokens for viewing and posting content on the platform
Advantages: Working on existing legacy codebase, implementing key features like reward system for content viewers using Express.js socket server and Redis for views tracking, implementing crypto market API for tracking platform crypto token value, implementing Admin Panel for platform admins, implementing manual video moderation system, integrating IP tracking services like DBIP to track and ban potential scammers. Few of the most challenging tasks were to refactor all legacy codebase and refactor media management using Spatie/Medialibrary package with AWS S3 bucket to store media files, implementing workers to process video compressing and preview generating in background, moving the entire app from single Digital Ocean droplet to complete AWS infrastructure including Elasticbeanstalk platform, AWS load balancer, RDS for scalable database, CloudWatch for logging, setting up pipelines for CI/CD using Github Actions.
Responsibilities: Backend development, Team leading, mentoring, code reviewing, AWS infrastructure management, handling communication with product owner
Used technologies: PHP, Laravel, Blade, JS, Node.js, Express, Socket.io, Github Actions, AWS
Duration: > 1 year

Brinc.de

Feb 2021 - May 2021
Position: Lead Developer, DevOps
Web site: https://brinc.de
Project description: German food delivery app similar to Glovo, Uber Eats

Advantages: Working on existing codebase with Python and Django framework, developing key features including Social networks auth (Facebook, Google, AppleID), integrating payment gateways (local german banks), integrating POS service providers APIs, developing Angular web application from-scratch with frontend team, mentoring Junior, Trainee backend developers. Managing infrastructure on local german provider, including setting up deployment pipelines, managing database instances, setting up development, testing and production environments

Responsibilities: Backend development, assisting frontend team to integrate backend GraphQL API, team leading, mentoring, code reviewing, handling communication with product owner

Used technologies: Python, Django, Graphene, Angular, React Native

Duration: 4 months

Company internal CRM

Jun 2021 - Oct 2021
Position: Lead Developer, DevOps
Web site: under NDA
Project description: Internal CRM for company internal needs
Advantages: Working on latest stack including PHP 8 & Laravel 8, from-scratch REST API development using TDD approach in team with few backend and frontend developers, managing AWS infrastructure, setting up deployment pipelines, code quality reporting, test coverage reporting

Responsibilities: Team leading, mentoring, code reviewing, API documentation design, application architecture design, managing AWS infrastructure

Used technologies: PHP, Laravel, PHPUnit, PostgreSQL, Redis, Gitlab CI/CD, AWS

Duration: 5 months

Notis

Oct 2021 - Feb 2022
Position: *Backend* Lead Developer
Web site: https://notis.com
Project description: Social network for students and teachers of Primary and High schools
Advantages: From-scratch application backend design & development using Node.js and Typescript, developing features as Calendar planning, messaging, student communities etc

Responsibilities: Backend architecture design, backend development of core features, delegating responsibilities to the backend team, communicating with PO, design & frontend teams, deployment & maintaining infrastructure, API documentation design.

Used technologies: Node.js (Express), Typescript, MySQL, MongoDB, Docker, AWS

Duration: ~4 months

SMS marketing platform (under NDA)

Feb 2022 - Jul 2022
Position: *Full Stack* Developer
Web site: Under NDA

Project description: SMS marketing platform for businesses
Advantages: Working on latest PHP 8.1 + Laravel 9 stack, microservices, serverless deployment, 3rd party services integrations including Twilio, Shopify, Magento, Alloy Forge etc
Responsibilities: Implementing core features in PHP, Node.js, Python microservices, working in large team of ~20 FE and BE developers, building interfaces with Vue 3 on Composition API
Used technologies: PHP 8.1, Laravel, Node.js, Python, Vue3, MySQL, DynamoDB, AWS Lambda
Duration: ~5 months

CMS for music charts (under NDA)

Aug 2022 - May 2024
Position: Full Stack Developer
Web site: Under NDA
Project description: CMS for music charts, including internal tool, service workers and API gateway
Advantages: Working on latest PHP 8.1 + Laravel 9 stack, microservices, working with latest Next.js 13, working with Terraform infrastructure
Responsibilities: Implementing CMS from scratch on base of Laravel 9 and Livewire, implementing client application using Next.js 13 and React, frontend team leading responsibilities including application architecture planning, code reviews, pair programming sessions. Implementing internal and public APIs, backend service workers, scheduled jobs using Laravel 9
Used technologies: PHP 8.1, Laravel, Livewire, Next.js, React, Tailwind CSS, AWS
Duration: ~2 years

Educational Platform (under NDA)

May 2024 - Present
Position: Full Stack Developer
Website: Under NDA

Project Description:
Developed an online platform for schools and students that hosts a vast collection of educational resources, featuring hundreds of thousands of resources and thousands of pages. The platform is designed to handle high traffic loads and is built using PHP with the Symfony router and Eloquent ORM layer, adhering to domain-driven design principles.

Key Achievements:

Developed advanced pricing algorithms that utilize price matrices based on user location, language, and other factors to optimize pricing strategies.

Successfully implemented functionality to control subscription prices for individual users, including support for CSV uploads of up to 1 million rows, enhancing user management capabilities.

Responsibilities*:*

Designed and developed customer acquisition strategies, including the creation of landing pages and onboarding flows to improve user engagement and retention.
Participated in the migration of the application to a new technology stack, transitioning to React, Next.js, DynamoDB, Terraform, and AWS Lambda, ensuring a smooth and efficient upgrade process.

Technologies Used: PHP, Eloquent ORM, React, Next.js, DynamoDB, Terraform, AWS Lambda

Duration: ~1 year