

I am a backend PHP developer with a strong focus on refactoring, stability, and code sustainability. I have experience with migrations from older systems, designing clean architecture, and implementing testing where it was previously lacking. I work independently, quickly orient myself in complex codebases, and bring order to chaos. I feel most comfortable with projects involving long-term development and technical depth. I would like to further develop my Python skills and move towards projects with a real impact.

WORK EXPERIENCE

FREELANCE PHP DEVELOPER | OWN CLIENTS | 2021 – current

PHP developer for clients in automotive (02/2023 – current)

- Refactoring of the internal system for product presentation with filtering (custom frontend)
- Gradual rewrite from legacy framework to PHP 8.3 and Nette 3.2, introduction of Nextras ORM and Phinx migrations
- Porting of internal libraries (e.g., VIN check, data validation, Google ReCaptcha)
- Working with tree structures over relational databases (MySQL 8 / MariaDB), using Elasticsearch and Redis
- Modernization of the codebase using Rector, PHPStan, phpCsFixer
- Introduction of testing in part of the system using PHPUnit and Nette Tester
- Design and implementation of CI/CD basics, which were previously completely missing
- Work in a small hybrid team, high degree of responsibility and independence
- **Selected achievements:**
 - Porting of approximately 5 internal libraries to new standards
 - Introduction of PSR-12 and PSR-3 coding standards across the project
 - Launch of testing infrastructure
 - Significant clarification and simplification of the codebase, reduction of technical debt

Smaller projects and porting (2023–2024)

- Fixing a broken WordPress plugin after a company went out of business (presentation website)
- Preparing a development environment for a future MS SQL and Linux project
- Porting two of my own game projects from Python 2 to Python 3 (PyGame, RenPy)
- Refactoring, bug fixes, public release on GitHub
- Complete coverage of all phases: communication, development, testing, and deployment

Freelance – several smaller web projects (2021-2022)

- Development of custom websites and backends in WordPress, Laravel, Symfony, Flask, Django
- Creation of microservices for communication with ČÚZK systems (land registry)
- Implementation of coordinate conversions between Czech and international systems
- Use of Python for computationally demanding operations where PHP failed

PHP BACKEND DEVELOPER | ASTERISK | 2020–2021

- Modernization of part of the system: refactoring of the original "spaghetti" code into an object-oriented design using design patterns
- Porting the module from C to PHP and integrating it as an internal component

- Automation of call type detection (human vs. machine) after establishing a connection
- Call flow adjustments and voice output processing
 - Solving problems with localization, coding, and regional specifics
 - Automating user-machine voice detection
 - Object-oriented approach, process modifications (voice processing after connection) for connecting calls

PHP developer for pornowebs | 2015–2020

- Refactoring the payment system from PHP 5.4 to 7.2, transition to our own framework
- Development of API for payments, remote login, microsites over REST
- Implementation of a test gateway, support for new protocol versions
- Synchronization of databases and content between continents (Redis, proprietary solution)
- Gradual rewriting and modernization of part of the legacy codebase (ORM, templates, requests)

Web developer | 2014–2015

- Development and modification of websites based on Joomla 3.x and OpenCart 2
- Working with MySQL databases

PHP developer for GM Electronic e-shop | 2013–2014

- Development of an e-shop connected to Helios ERP and VIES and ČÚZK systems
- Stack: PHP 5.4, CakePHP 2.x, MS SQL, MySQL, Redis
- Work on kiosk mode application for use in branches
- Automated testing on virtual machines (Linux)
- Development of own screensaver in C, deployment of new version of application

EDUCATION

2004–2008 Arabská Junior high School – high school diploma in information technology

COURSES

2020 Python – basics of the language and practical use, ICT Pro (2020)

SKILLS

- **Programming languages and frameworks**
 - PHP, Python, Bash
 - Nette, Laravel, Symfony, CakePHP
 - HTML, XML, CSS, Less
 - JavaScript (jQuery, raw), TypeScript
 - REST API, XML
- **Databases and data technologies**
 - MySQL, PostgreSQL, MSSQL, MariaDB
 - Redis, ElasticSearch
- **DevOps and environment management**
 - Docker, Nginx, Apache
 - GIT (GitHub, GitGui)
 - CI/CD (environment deployment, basic automation)
- **Code testing and analysis**

- PHPUnit, Nette Tester
- PHPStan, phpCsFixer, Rector
- **Development tools and editors**
 - PhpStorm, NetBeans, Gedit, Notepad2, nano
 - Adminer, MySQL Workbench, CLI
- **Graphics and UI tools**
 - GIMP, Pinta, Inkscape
- **Operating systems and office software**
 - GNU/Linux administration
 - Advanced use of Windows till 10
 - LibreOffice, Microsoft Office
- **Own projects**
 - Website management system (code on GitHub)
 - Mobile proxy for forum
 - RemoteRequest package, upload module, etc.
- **Other skills**
 - Driver's license class B
 - **English** (active knowledge; no problems reading technical documentation and communicating at work)