

Patrik Kólbl

DevOps / Full Stack Programmer

HIRE ME

job@exploit.cz

<http://github.com/insekticid>

<https://exploit.cz/my-experience/>



ABOUT

I started early as HTML programmer in 1999 and as **PHP** Programmer in 2003.

In 2007 I started working as a frontend PHP programmer in the largest travel agency in the Czech Republic - [Invia.cz](http://invia.cz)

In 2006 I created my first web project named Recepty-online.cz (2006) - rebranded to Recepty.eu

Current Recepty.eu technology stack contains OpenSearch, PHP 8.3, Symfony 7.2, RabbitMQ, Node.js, Redis, Preact, MariaDb, Self managed Kubernetes Cluster - RKE2/Rancher/Containerd/Docker.

I wrote an **async picture watermark + resizer** AMQP listener app (Node.js app using **Sharp** module) which creates watermarked pictures on demand (PHP admin app -> AMQP -> Node.js watermark/resizer).

I also programmed several web scrapers in Node.js communicating via **REST** API.

My latest work in progress project is LIDL price comparator - PKSD.eu (**Nuxt 3/Vue** Framework/**Vuetify** frontend, **Node.js** data scraper->**RabbitMQ**->**PHP Rest API** (PHP Api Platform/**MariaDb**)->**RabbitMQ**->**OpenSearch** data refresher (**Symfony** App).

My previous big experience was **migrating obsolete PHP code** to a suitable open source Framework (Zend,Symfony, Nette) + App **Dockerization** + **Kubernetes deployment/AWS/Google Cloud Run**.

I fixed several Symfony bugs and I am an [Arctic Code Vault Contributor](#) (2020 GitHub Archive Program for next generations).

SKILLS

PHP 3, 4, 5, 7, 8	CSS	JS	Other
Zend Framework 1	Bootstrap 2, 3, 4	Node.js	Kubernetes 1.10+, Rke2, Rancher
Symfony Framework 2,3,4,5,6,7+ Doctrine	Tailwind Vuetify	PREACT 8, 10 VUE.JS 3 NUXT 3	Terraform, Helm, KubectI Mysql, MariaDB, PostgreSQL
Nette Nextras\Orm Nette\Database	SASS/LESS	jQuery 1,2,3	AWS Cloud/Hetzner/Google Cloud run
RabbitMQ, Redis, ElasticSearch Varnish/SOLR/MongoDB	Tracy Debug	Webpack/Symfony Encore	Gitlab, CI/CD, Docker Nginx/Ingress CertManager

DEPLOYMENT - CI/CD, Kubernetes, AWS, Gitlab, Terraform, Helm

I am using **automation** via **CI / CD** using **Gitlab Pipelines** (self-hosted Gitlab CE) on my self managed Kubernetes Cluster. I have experience with AWS Cloud and Google Cloud Run.

I have experience with automatic CI building **Node.js, PHP, React, Nuxt, .NET Core apps** in Linux **Docker** containers and storing/deploying into the private **Docker registry**.

DATABASES

I mainly work with **MySQL** (MariaDB in HA configuration) + PHP Rest API via Api Platform + JWT.

DEBUGGING

I am debugging PHP Applications with **xDebug** via Visual Studio Code breakpoints (including Dockerized applications), which saves lots of time and I can work **much more efficiently**. I also love **Tracy Debug** (must have tool for all PHP legacy applications to detect fatal errors).

PULL REQUESTS

- [\[DoctrineBridge\] Fix bug when indexBy is meta key in PropertyInfo\DoctrineExtractor by insekticid · Pull Request #25841 · symfony/symfony · GitHub](https://github.com/symfony/symfony/pull/25841/files)
https://github.com/symfony/symfony/pull/25841/files
- [Allow Upper Case property names by insekticid · Pull Request #22265 · symfony/symfony · GitHub](https://github.com/symfony/symfony/pull/22265/files)
https://github.com/symfony/symfony/pull/22265/files
- [Allow Upper Case property names by insekticid · Pull Request #1037 · api-platform/core · GitHub](https://github.com/api-platform/core/pull/1037/files)
https://github.com/api-platform/core/pull/1037/files
- [Unable to bind listening socket for address '/var/run/php/php-fpm.sock by insekticid · Pull Request #1766 · api-platform/api-platform · GitHub](https://github.com/api-platform/api-platform/pull/1766)
https://github.com/api-platform/api-platform/pull/1766

EXPERIENCE

Recepty-online.cz / recepty.eu - Full stack

2006 - PRESENT

- 2024+ - App Security updates (PHP 8.3, ElasticSearch -> OpenSearch)
- 2023 - Multi Language PHP 8 application Recepty.eu - CZ, Koche.eu - DE
- 2021 - **Tailwind** CSS Framework 1.9
- 2020 - DNS Managed with **Terraform** - [Hetzner DNS](#)
- 2020 - Rewritten dependencies from **jQuery** -> **Preact**
- 2019 - Symfony + RabbitMQ - Newsletter sender/Image resizer + watermarker
- 2017 - **Dockerized** development + Gitlab CI/CD - via Rancher v1 API
- 2016 - Multiple domains app running from the one deployment / code base ([predkrmy.cz](#), [lusteniny.cz](#), [topinky.cz](#), [prilohy.cz](#), [pecenecukrovi.cz](#))
- 2016 - Legacy code rewritten to **Symfony** 3.1

Permonium.cz - External developer / PHP Legacy App support

2024

- Old Spaghetti code app migrated to the Slim 3.0 Framework
- PHP 5 -> PHP 8 + Dockerized

Safeboxes.cz - External developer / .NET Core / React / Google Cloud

2022

- App and Code Migrated from old Code owner to the Google Cloud + .NET CORE 3.0 -> 5.0
- Added vouchers feature into the original Ordering app written in React and .Net Core

PhotonEnergy.com - External PHP + node.js developer + AWS

2015 - 04/2020

- PHP legacy code maintenance
- Monitoring app migrated from legacy code to the Nette Framework 2.3
- Web data scrapers for ČEZ, EON and SUNNY PORTAL portals (Node.js)
- Self Hosted Gitlab maintenance
- Deployment to **AWS** via **Terraform** , **Lambda functions** through **SAM**
- **C# .NET Framework docker build** using **AWS CodeBuild** (Windows docker images)

Finance.cz, Brno - Full stack PHP developer / Team Leader

2013 - 2015

- Maintenance of internal legacy Framework + migration to Symfony 2 Framework
- Database migration from Latin 2 to UTF-8
- Routing rules rewritten from Apache to NGINX
- Removed 6 different DB connectors/Frameworks and merged into 1
- Redesigned internal CMS into a **responsive design** based on Bootstrap3.

Vykupto.cz, Brno - PHP developer

2013

- Nette Framework v 0.9 / Portal bug fixes + Code Reviews

Kabat-Fans.cz

2011 - 2019

- Migrated to the Symfony Framework
- Zend Framework 2, Bootstrap 2

Invia.cz, Brno - *Web development Team Leader*

2007 - 2010

- App rewritten from internal legacy Framework into the Zend 1 Framework, implemented autoloading (PSR-0)
- Transition from SVN to GIT + Trac issue tracker
- Code and database migration to UTF-8
- Internationalization i18n + localization L10n - Invia.pl, Invia.sk, Invia.hu, Invia.ua - same app codebase
- Frontend redesign (all templates rewritten to the Smarty template engine)
- Introduced Code Reviews + I managed 2 junior programmers

Mir4nda PACK author- *Instant messaging based on Miranda IM / ICQ client*

2004 - 2015 - <https://www.facebook.com/Mir4ndaPack/>