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ABOUT

I am a 34 year old web application programmer. I started in 1999 as an HTML programmer.

In 2006, I launched my **main project** Recepty-online.cz known as **Recepy.eu** (PHP 4 platform).

In 2007 I started working as a frontend programmer in the largest travel agency in the Czech Republic - [Invia.cz](http://invia.cz) where I was responsible for the complete redesign and rewriting applications from legacy code to the **Zend Framework**.

I am currently working from my office in **Ivančice** (near Brno/Czech Republic) as a **self-employed** freelance programmer and I am willing to **offer my service** only **at a distance**. We would save each other our precious time without unnecessary commuting to your offices.

SKILLS

PHP 3, 4, 5, 7, 8	CSS	JS	Other
Zend Framework 1	Bootstrap 2, 3, 4	Node.js 9+	Kubernetes 1.10+
Symfony Framework 2,3,4,5	Tailwind 1.9	PREACT 8, 10 VUE.JS 2	Terraform, Mysql, MariaDB, PostgreSQL
Nette 2	SASS/LESS	jQuery 1,2,3	AWS Cloud/Hetzner
RabbitMQ, Redis, ElasticSearch, Varnish		Webpack/Symfony Encore	Gitlab, CI/CD, Docker

My previous experience mainly includes migration of obsolete PHP code to a suitable open source Framework. Currently, most dealing with their **Dockerization** and their deployment in

Kubernetes (I run a self managed Kubernetes on **the Hetzner Cloud**). I have experience with **AWS** Cloud too.

I created my own NodeJS app (picture watermarker and resizer) that communicate with main PHP applications through **AMQP** and creates thumbnail images after adding new content.

In NodeJS I also programmed several web scrapers communicating with REST API.

I am also interested in, for example, the frontend frameworks React (Next.js, Preact) and Vue.js (Server-Side Rendering, PWA).

I also have experience in writing **Node.js CLI** applications where I programmed data Scraper portals CEZ, EON and Sunny Portal with output in **JSON** data on the production of solar power.

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

I try most things in the development of **automated** via **CI / CD** (Continuous integration / Continuous deployment) using **Gitlab Pipelines** (self-hosted Gitlab CE) and deployment I carry out Kubernetes, which I manage myself. Cloud Server manages over **Terraform** (Infrastructure as Code).

I use **Webpack** for building versioned CSS (SASS) and JavaScript. I completely rewrote an earlier project using **jQuery** to **Preact**.

I have experience with automatic CI building **Node.js**, **PHP**, **React**, **Vue.js** in Linux **Docker** containers and storing in the private Docker registry, where they are versioned and from where they are then deployed.

I also dealt with CI building **.NET Framework** or **.NET Core** applications using **Windows** on **AWS**

CodeBuild - Gitlab code goes through CI to **AWS CodeCommit** and from then performs build via **AWS Codebuild**. Information about the status of the build and the result of tests is continuously written back to the Pipeline log in Gitlab, although the build takes place outside **Gitlab Runner**.

In the past, I also took care of setting up virtual servers, Postgres databases, domains, and managing ssl certificates for https and **CloudFront**, including the deployment of static applications stored on the **AWS S3** storage or deployment **lambda** via **SAM**. Everything was configured through **Terraform**.

In earlier times, before the CI / CD I used to deploy applications using **Capistrano** (versioned Deployment with rollback) with build preprocessor **gulp.js** based **Node.js** components. Here ran the CSS minification and build based on **Bootstrap 3** in **SASS** and minification

javascripts. This experience is useful when migrating your older projects to Docker.

DATABASES

I work with **MySQL** (MariaDB HA configuration at the three servers in my Kubernetes cloud) or **PostgreSQL** database.

I use **Redis** or **ElasticSearch**. I also have experience with **MongoDB** or **SOLR**. I worked too with the ORACLE database, but only as a part of teaching at fi.muni.cz (FI: PV003). With database layer I have experience with PDO, Nextras \ Orm, Nette \ Database or Doctrine 2.

DEBUGGING

I am used to debug PHP Applications via **IDE debug** + **xdebug** (including Dockerized applications). This saves time and **work more efficiently**.

I also use debugging panels from Symfony or Tracy (suitable for PHP legacy applications to detect fatal errors).

SERVER

I will also deal with the basic administration of a Debian-based Unix server (Ubuntu Server) on level settings http server **Nginx** + PHP-FPM https including configuration and virtual hosts. Today is many things have already been resolved in Kubernetes **Ingress** - **OpenResty** based on Nginx + LUA). I have previous experience with Apache + PHP as a CGI too. I am actively using and adjusting the **Varnish** proxy.

EXPERIENCE

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

2006 - PRESENT

- 01/2021 - Multi Language application Recepty.eu - CZ, Koche.eu - DE - WIP
- 12/2020 - Symfony 5.2 + PHP 8.0
- 09/2020 - Tailwind CSS Framework 1.9 - WIP
- 07/2020 - **Terraform** - [Hetzner DNS](#)
- 06/2020 - **React** + Hooks / Next.js, Apollo, **GraphQL** - WIP
- 06/2020 - **Symfony 5.1**
- 03/2020 - Rewrite dependence on **jQuery** -> **Preact**
- 04/2020 - New [EasyAdmin](#) Administration + custom multi Drag & Drop images uploader
- 02/2020 - **PHP 7.4** - declare(strict_types=1);
- 10/2019 - **Elasticsearch** + [CZ Hunspell](#)
- 08/2019 - **Varnish Cache** with [auto reload when deployment changed](#)
- 04/2019 - Symfony Messenger Queue - **RabbitMQ** - Image resizer + watermarker
- 03/2019 - Symfony Messenger Queue (in BETA) - RabbitMQ - Newsletter sender
- 01/2019 - Bootstrap 4 Redesign - **Sass / Webpack**
- 12/2018 - PHP 7.3
- 06/2018 - **Gitlab CI** - Auto DevOps - Kubernetes
- 05/2018 - **Terraform - Kubernetes Cluster** - Hetzner Cloud
- 02/2018 - Symfony 4
- 01/2018 - **Redis** as Session Storage + Doctrine Second Level Cache
- 12/2017 - PHP 7.2, **Elasticsearch 6**
- 07/2017 - Gitlab CI - first custom deployment via Rancher v1 API
- 03/2017 - First **Dockerized** version
- 05/2016 - Rewritten to Symfony 3.1

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

2015 - 04/2020

- PHP legacy code maintenance
- Migration of application monitoring to Nette Framework 2.3
- Web data scrapers for ČEZ, EON and SUNNY PORTAL portals with output in JSON
- Gitlab maintenance
- Deployment to **AWS** via **Terraform**, **Lambda** through **SAM**
- **.NET Framework build** + test within **AWS CodeBuild** on the Windows platform

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

2013 - 2015

- Maintenance of internal legacy Framework + migration to Symfony 2 Framework
- Code migration from PHP 5.3 to 5.6
- Database migration from Latin 2 to UTF-8 + INNO DB + Foreign Keys
- Rewrite rules from Apache to NGINX
- Complete settings of the NGINX server, including virtual hosts
- Removed application routing via pre-generated directory structure
- Fix SQL injections and remove 6 different DB layers and merge into 1
- Redesign of the internal content management system to a responsive template based on Bootstrap3.
- Management of 2 junior programmers

Vykupto.cz, Brno - PHP developer

2013

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

Freelancer, Brno - Work on own projects

2011 - 2012

- Recepty.eu - PHP Developer - Zend Framework 2 DEV1, Bootstrap 2 template
- Kabat-Fans.cz - PHP Developer - Zend Framework 2, Bootstrap 2

Invia.cz, Brno - Web development Team Leader

2007 - 2010

- Migration of the internal legacy Framework to Zend 1 Framework
- Transition from SVN to GIT - Trac (<https://trac.edgewall.org/>)
- Define custom rules for code formatting (similar to PSR-1)
- Removal of include and require in the application and introduction of class autoloading (PSR-0)
- Code and database migration to UTF-8
- Division of a monolithic application consisting of 3 internal applications, a web portal and an affiliate applications on separate components communicating via SOAP
- Internationalization i18n + localization L10n - Invia.pl, Invia.sk, Invia.hu, Invia.ua
- Complete redesign of the website (rewriting of all templates to Smarty.net)
- Managing Code Reviews
- Management of 2 junior programmers

Mir4nda PACK, remote - Instant messaging based on Miranda IM

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

Framework migration

- Recepty.eu - Symfony 2.3 - 5.1
- Invia.cz in 2009 to Zend Framework 1.7 to 1.11
- Finance.cz in 2013 to Symfony 2.3 to 2.8 Framework
- Photonenergy.com in 2015 on Nette Framework 2.3
- Kabat-Fans.cz in 2016 at Symfony 3 + PHP7 + Bootstrap based responsive design Cep
- Recepty.eu in 2016 on Symfony 3 + PHP7 + Bootstrap based responsive design

<https://github.com/insekticid/k8s-upgrade>

<https://github.com/insekticid/elasticsearch-hunspell>

<https://github.com/insekticid/docker-piwik>

Contribution work - PULL REQUESTS

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