DZ Dawid Zbiński
DEVELOPER BY DEFAULT

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BIOGRAPHY

My journey in software development began at 11 when I learned the basics of Pascal. Over time, I picked up PHP, HTML, CSS, and Javascript, becoming a full stack developer when I was 15 years old. After that I jumped into the world of Node.js, Angular, Vue & React. My sweet spot is, and always has been, the frontend and making things user-friendly, but I enjoy writing backend code as well as some queries from time to time.

Running my own businesses taught me a lot about having a great product and keeping the customers happy with the effective customer service. I've had a pleasure of leading the small technical teams in my previous projects to created diverse projects like 3D Configurators, Delivery Tracking Systems, Custom CMS/CMR Systems, 360° Show Rooms, and many more...

I find great fulfillment in sharing my passion and experiences as a speaker at conferences and meet ups, relishing the opportunity to engage and contribute to community. I also enjoy blending tech skills with user needs and great UX. Whether it's coding the backend or crafting a smooth frontend, I aim for a balanced approach. I'm excited to bring my mix of creativity, leadership, experience, and commitment to your team.

PROFESSIONAL SKILLS

Web development

What I love
TypeScript, JavaScript, Node.js, Angular, Nest.js, Express.js, Vue.js, Docker, CSS & pre-processors, Unit Tests (Jest), E2E Tests (Cypress), Rollup

What I know well, but don't necessarily love
Webpack, PHP, Symfony, Unit Tests (PHPUnit), React

What I'm trying-out right now
Golang, Kotlin, Dart, Flutter

What I have at least a little knowledge in
C, C++, Python, Java

...though I will always accept a new challenge!

Others

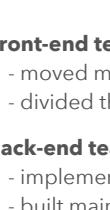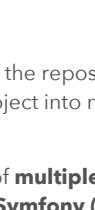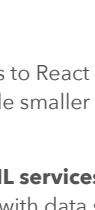|	
Responsive Web Design	Employer Branding
UX Design	Open-Source Software
Performance Optimization	Software Architecture
Docker & Kubernetes	Data Optimization
3D on Web	Documentation writing

LANGUAGES, HOBBIES & INTERESTS
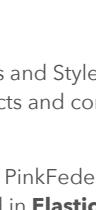
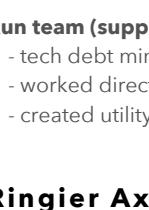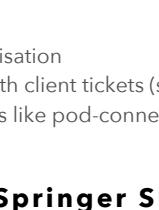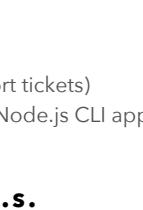| Cinema	Music	Gaming	Traveling

ENGLISH — Professional Level
POLISH — Native
SLOVAK / CZECH — Native

EXPERIENCE

From September 2021 to Present
SENIOR SOFTWARE ENGINEER
Betsys s.r.o.

From March 2019 to December 2023
FREELANCER
Dawid Grzegorz Zbiński - DEVELOP

From September 2020 to July 2021
SENIOR FULL-STACK DEVELOPER
Summit Media Limited / Drivvn Ltd (UK)

From July 2019 to July 2021
CO-FOUNDER
Liekobox s.r.o.

From January 2017 to July 2019
WEB DEVELOPER
Ringer Axel Springer SK, a.s.

EDUCATION

From October 2016 to March 2017
Computer Science
Akademia Górniczo-Hutnicza im. Stanisława Staszica, Kraków, Poland

From September 2012 to May 2016
Information Technology
Súkromná Stredná Odborná Škola Tatranská Akadémia, Poprad, Slovakia

MORE ABOUT MY EXPERIENCE

Betsys s.r.o.

- Back-end: Hexagonal arch., CQRS, DDD, Nest.js, Golang & PHP
- Front-end: Angular, NgRx, Ant Design, SCSS, moved to OSS

I was responsible for the frontend development of a new backoffice aplication that our employees would use for anything related to our betting software and customers. Our team have later taken over the "Trust journey" of our clients, where we have worked on security and performance improvements on project like completely new Login API and overall backend communication/authorization. We have also integrated new tools for electronic client verification (eKYC), migrated away from a couple of legacy codebases, and created the new strict rules for the codebases (company-wide) like eslint standards, unit testing, dockerization, CI/CD flows and many Node.js libraries, which have been partially open-sourced later on.

Interesting challenges:
- custom system for environment variables used in FE apps which **removed the need for individual builds per environment**
- **dockerization of most applications** and unit/e2e testing applications across multiple projects to keep up with the QA demands
- migration of legacy codebases and **setting the coding standards company-wide** was an interesting managment challenge

drivvn ltd

- Back-end: Symfony, Node.js, ...
- Front-end: React, SCSS, Styled comopnents

I was one of the people responsible for creating and maintaining the core applications for Automotive projects running on Drivvn software. Our biggest client, the PSA Group, was expanding its e-commerce services to multiple coutries like Italy, France, Spain and UK which created great challanges for us mainly in software architecure field.

Front-end team:
- moved most of the repositories to React Hooks and Styled components
- divided the project into multiple smaller projects and configured the environment

Back-end team:
- implemented of **multiple SAML services** (e.g. PinkFederate)
- built mainly in **Symfony (v4+)** with data stored in **ElasticSearch** and **MySQL**
- used multiple services for finance calculation and data sychronisation
- created internal hook-based communication between microservices

Run team (support):
- tech debt minimalisation
- worked directly with client tickets (support tickets)
- created utility tools like pod-connector (Node.js CLI application used for interactive connection to Azure pods)

Ringier Axel Springer SK, a.s.

- Back-end: Symfony, Node.js, RabbitMQ, WebSockets (Socket.io), ...
- Front-end: Web Components, Vue.js, JavaScript ES5+, LESS/SASS, jQuery, ...

I was responsible for most of the Bistro.sk internal projects like Bistro Restaurant Administration, Bistro Driver, and many others. With me on site, we managed to refresh our code-base and split it into the multiple chunks which resulted in better performance, improved quality of the code, and created faster, scalable, and automatic deployment process. Specifically, I created and managed the following projects (mostly) by myself:

REST API:
- created for Bistro and its subprojects to simplify infrastructure, create re-usable, shared & centralized code across all the projects
- built mostly on **PHP stack (Symfony 4.2, Doctrine ORM, Redis + Sentinel, SwiftMailer, Twig, etc.)**
- strictly **followed the REST specification** in order to create maintainable code
- optimized Symfony for **Read-only environments** (which is pretty tricky)
- created **full CI/CD (Gitlab) for testing, building & deploying the project**
- built (from scratch) on top of Alpine Linux using docker, docker-compose and published inside docker swarm as a stack of services

WebSocket Stack:
- created for services like Bistro Driver for efficient communication between multiple clients
- built on **Node.js stack (express, socket.io, amqp)** with **RabbitMQ & ng-inx**
- **used amqp protocol** with RabbitMQ client to queue all the messages which made the project more scalable
- optimized for more than 1,000,000 requests per day from multiple sources at once

Bistro Restaurant Admin:
- created for the restaurants to give them the ability to analyze their sales and manage their presence on Bistro.sk
- built mostly on **Vue.js stack (Vue.js, Vuex, Vue Router, Vue CLI)**
- development env. configured and set up using **Webpack & Babel**, so we could use some of the functionalities from the new JavaScript versions/proposals which were not supported by the Vue CLI at the moment (optional chaining)

Freelance Projects / Own businesses

- Back-end: Symfony, Node.js
- Front-end: Web Components, Vue.js, JavaScript ES5+, SASS, Angular, Three.js, Preact ...

Every offer I accept, I try to make it somehow unique or different from the others, both technically and personally. For each project I always tried to make my best and create a good product for a fair price. Also, each project has its piece of documentation & code-base (unfortunately, not many are public). Some of the recent projects I worked/still working on:

Liekobox.sk, Liekobox s.r.o. (liekobox.sk):
- created front-end architecture for Liekobox, one of the biggest e-commerce services in Slovakia
- built in Angular, NgRx, SCSS and Angular Universal for the SSR
- implemented CI/CD for testing & deployment

Wardrobe Studio, Mr. Wood France (wardrobe.zbinski.dev - project is not finished):
- 3D web studio which give users an ability to create their own wardrobe with custom sizes, textures and placements
- **built from scratch using Three.js, Vue.js & Vuex**
- **optimized rendering of the textures** by optimizing WebGL loaders, texture sizes, formats and garbage collection of JavaScript

3D Viewer, AR Visual s.r.o. (proprietary):
- 3D viewer for models in GLTF format in Three.js, which was later replaced by the model-viewer web component
- **custom logic implemented in Three.js underneath the model-viewer** (live texture replacements, etc.) and **Preact**

360° Picture Viewer, AR Visual s.r.o. (proprietary):
- custom image viewer which loads the images taken from different angles and makes them interactive similar to the 3D model
- built from scratch in **Vue.js + TypeScript + Three.js** and **exported as a Web Component**

360° Showrooms, AR Visual s.r.o. (proprietary):
- HDRI image viewer connecting multiple scenes with interactive hotspots, music and custom gallery implementation
- built using **Marzipano** and **plain JavaScript**

3D Configurator, AR Visual s.r.o. (proprietary):
- Configurator for 3D models in GLTF with real-time changes, optimisations and custom UI/UX logic

and many other websites and small projects ...

OPEN-SOURCE EXPERIENCE

I try to help the community from which I learned so much by contributing to open-source projects, and by helping others on forums like stackoverflow.com.

StackOverflow: top 5% of users in 2023

axios-auth-refresh (npmjs.com/axios-auth-refresh - approx. 75K downloads a week)
- simple library written in TypeScript for refreshing the authorization when using Axios HTTP client. Written in TypeScript.

html-attribute-folder for intelliJ-based IDEs (finished at the end of August 2022)
- simple plugin for intelliJ-based IDEs to fold unnecessary html attributes in your code. Written in Kotlin.

eslint-plugin-angular-template-spacing (finished on 6th of September 2022)
- eslint plugin to make sure the spaces in your interpolations and pipes are consistent across the project. Written in TypeScirpt.

Contributed to: ng-ant-design, Symfony, Silex, js-tabby, axios, onepage-scroll, vue-date-picker, vue2-gmap-custom-marker, and probably many others...

I was the part of the core mentor team at **Azet Academy**, the program created by Ringier Axel Springer SK, a.s. to teach students to program in less than 3 months. **I was one of the people responsible for creating the curriculum for the academy**. The fields I was focused on are **Front-end technologies, Software Architecture, Network Communication and last, but not least, Security.**