



DAVID BIRO
FULL-STACK WEB
DEVELOPER

Experiences / Jobs

Pylon utilization software for ELMŰ @ Stylers Kft.

Vue PHP Lumen framework Docker Gitlab CI Python Flask framework MSSQL SCSS

Apr 2020 - present

It's a renovation of an old Windows application written in Visual Basic. Unfortunately, technology options was very limited, but we try to max it out.

HVG 360° @ Stylers Kft.

Docker SH NodeJS Typescript React SCSS Python Django Saleor GraphQL Apollo Gitlab CI Swagger Mocha PostgreSQL MongoDB

Jan 2020 - May 2020

It's a work in an outstanding team at Stylers. We brought a modern microservice architected system for the HVG's new online magazine. I worked on almost every microservice.

Scheduler for Bayer @ Stylers Kft.

React Typescript

Dec 2019 - Feb 2020

One other developer and I internationalized the whole application while making some refactorings.

Cleansheet for McKinsey @ Stylers Kft.

NodeJS Mocha React Typescript MySQL

Oct 2019 - Dec 2019

One other developer and I joined a team to develop some new features to an existing project.

OTS @ Stylers Kft.

Python Angular Typescript PostgreSQL

Mar 2019 - Oct 2020

I was responsible for the discount calculation. I had to be on top of mathematics, especially in operation research and Graph theory, which I enjoyed a lot.

Plugin development for Wordpress

PHP Wordpress Woocommerce JS MySQL

in Aug 2018

I had to make an emailing plugin for newsletters. I extended it with an invitation module that allows you to send a regular customer registration link.

Ecommerce for bikes

PHP Wordpress Woocommerce MySQL SCSS JS

Apr 2019 - Sep 2020

I had to make an eCommerce for a man, but his requirements didn't fit well into Woocommerce/Wordpress. After 3 months, the site was so buggy because of the workarounds I had to make. I realized It would never be good enough, so I abandoned the project. It was an excellent lesson for me that changed the way I think. I started evaluating rapid prototyping, requirement planning, and other project sub-tasks that might help to avoid this failure. By the way, I made "Argep.hu", "Aurkereso.hu" integeation, CSV file importer, shipping cost calculator, etc...

KIOSK @ Continental

PHP VueJS MySQL Laravel SCSS JS

Jun 2018 - Sep 2018

For the first time, I was developing a new kiosk system from scratch. There was an old, weakly-designed kiosk system there, so I renewed it by creating a new application in the Laravel framework and its documentation. Later, I got some developers for the same project. I had to review and help their work.

ERP @ RIGO Kft.

PHP JQuery MySQL JS

Jun 2016 - Aug 2016

I had to create an Enterprise Resource Planning software for a company that assembles a different kind of machines. The ERP system had to manage every single part of a machine. Logistics, warehouse management, work shift control, car status register, reports, emailing, to name a few. I wasn't alone, but I made the fundamentals and most of the features.

Silkroad server website

PHP JQuery MySQL JS

Jun 2016 - Feb 2017

I had to build a CMS (Content management system) for a game server. I used PayPal API here.

Music-Team

PHP VueJS MySQL SCSS

Jun 2014 - Aug 2017

In this project, I had to make a site where people can listen to/download music. The owner of this project loves music, and he also loved new features. I created my own PHP backend framework.

Experiences / My Projects

Vona1

NodeJS Typescript Rust Neon bindings React Electron

since Mar 1, 2019

It is a hobby project. I wanted to make a good launcher for tiling window managers for Linux. I implemented fuzzy search with Rust and used FFI to call it from a react frontend. This way, I improved its performance hugely. Currently, I am rewriting this clearly with Rust.

VecJS

JS

since Feb 1, 2019

Vecjs is functional, immutable, feature-rich vector library, which provides infix operations as we used to use in math class. I think it still the best 2D vector library. I am going to make support for 3 and more dimensional vectors too. I plan to make a complete coordinate geometry library, which is also lightweight.

ReactKonvaAnchors

JS React

since Feb 1, 2019

Konva is a canvas drawing library, and react-konva is a react library for using Konva inside the react context. My library provides "anchors" for react-konva, which is a CSS like positioning and sizing utility for Konva objects like rectangle, text. With this library, you can make HTML like behavior to convey objects (e.g., automatic width).

FastEJS

JS

since Jan 1, 2019

The EJS is a well-known template engine for NodeJS. There were some issues with the original parser, and their code was also overly complicated, so instead of fixing it, I created another package for myself. It is about half the execution time of the original, but also more modular, and easier to maintain.

ERScaffold

NodeJS React Electron Elixir Phoenix Docker

since Sep 1, 2018

I considered the Entity-Relationship model to be suitable for high-level abstractions, that I could use it to generate pre-configured websites that satisfy the given abstractions.

Articles

Beginners' Linux Guide Part 1

As a developer, I found Linux more usable and efficient in my workflow. It took some time to get used to it tho, but I want to help shorten this path for newbies. So I wrote this article.

on Jan 30, 2020

Understanding Linux Graphical Stack by Creating a Window

Describes the Linux's graphical stack, from the GPU to writing a windowed application in Rust.

on Aug 1, 2020

Skills

Programming languages:

JS	TS	PHP	Python	Rust	SQL	GraphQL	Bash	Elixir	Java	C++	C
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Markup Languages:

HTML	CSS, SCSS	JSON, YML, TOML
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Other:

React	VueJS	Mocha	Jest	NodeJS	Apollo	Laravel	Django	Saleor	Phoenix
Neon bindings (Rust FFI)	Wordpress	Woocommerce	PostgreSQL	MongoDB	MySQL				
Bootstrap					JQuery				

DevOps:

CI/CD	GNU	Linux	Docker, docker-compose
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Theory:

Object Oriented Programming (OOP)	Functional Programming (FP)
Design patterns (SOLID, DRY, and much more)	Data science

Software knowledge (in terms of a web developer position):

Adobe Photoshop	Adobe Illustrator	Gimp	Inkscape	Gravit designer
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Human languages

Hungarian	Written English	Verbal English
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Study

University of Pannonia @ Veszprém, Hungary

Department of Computer Science

Software Engineer BSC

Sep 2016 - Jul 2019

Palfy @ Szolnok, Hungary

Electrical and Electronics Technical class

Sep 2012 - Jul 2016

Introduction

I'm an enthusiastic full-stack web developer with more than seven years of experience.

I'm precise all the time because I know the wrong code will be a pain later. So I'm trying to make the best code, the best architecture, and also the best documentation all the time.

I know countless different kinds of technologies, so learning another is just getting familiar with writing things differently. In addition, I have experience not just in technologies but also in applying design patterns and programming conventions.

As far as contributing concerns, I published several libraries and helped others with forming issues and with pull requests. I'm always helping others getting their jobs done.

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