DAVID BIRO
FULL-STACK WEB DEVELOPER

Experiences / Jobs

Mobile application for a safety clothing webshop @ Stylers Kft.

`Nuxt` `PWA` `Ionic framework` `Cordova` `CapacitorJs` `Android` `iOS` `Gitlab CI` `OneSignal (Push notifications)`

Dec 2020 - present

There was a website that I had to transform into a mobile application.

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 architectured 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.

Pull requests this year

alacritty: Non-VI mode selections

`Rust` `Terminal emulators`

I added new actions to the alacritty terminal emulator.
Unfortunately the author valuated the VI mode more than quick
action shortcuts, so the PR was not accepted.

tldr: xephyr: add page

`Markdown`

I added a new tldr page for Xephyr virtual X11 server.

theme-bobthefish: Add prompt size limiting options

`Fish shell`

I fixed an annoying issue with a prompt theme.

vue-affix: Add width-reference-selector option

`Vue` `JS`

I enhanced the usage of a Vue library.

Workshops I made

CSS Preprocessors

`React` `Sass` `CSS naming conventions`

Networks and Webservers

`Networks` `Linux` `Nginx` `Apache` `REST`

Experiences / My Projects

ascii-snake-rs

`Rust` `Terminal emulators` `Multi-threading` in Nov 2020

A terminal based snake. It was a case study of how to write maintainable code in rust.

simple-clock-rs

`Rust` `X.Org` in Mar 2020

An X11 window with a digital clock. It was a case study of how is it possible to simplify xcb.

Vonal

`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).
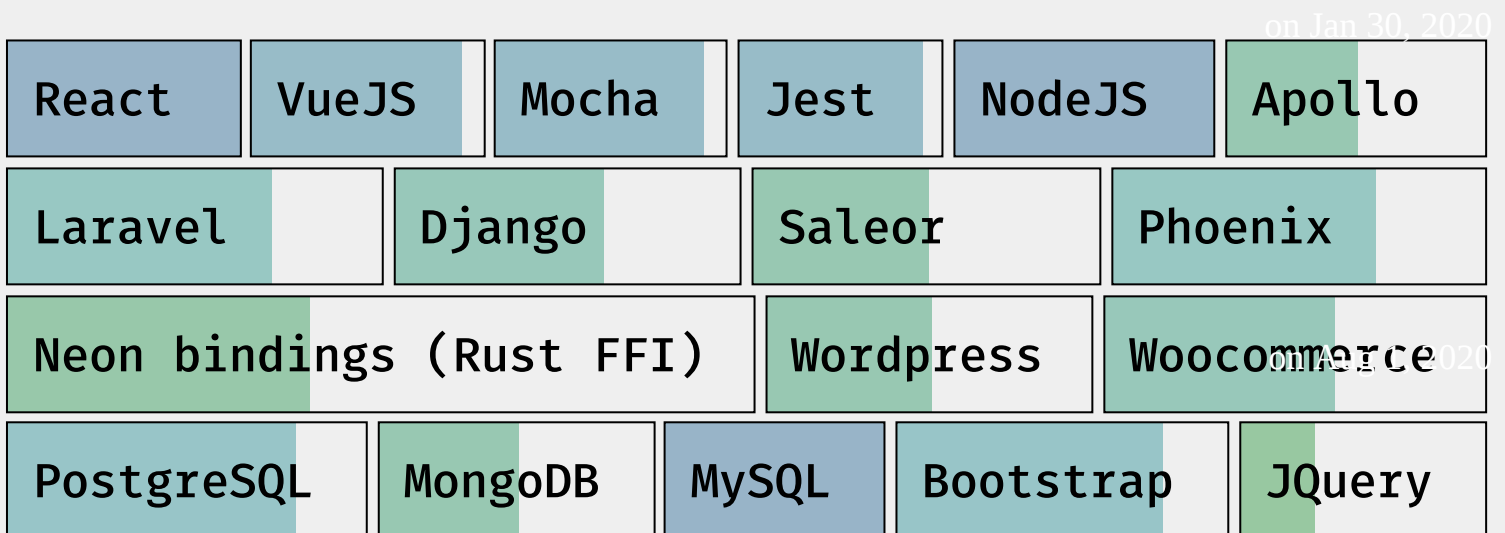
FastEJS

Skills

Programming languages:

JS	TS	PHP	Python	Rust	SQL	GraphQL	Bash

Elixir	Java	C++	C

Markup Languages:

HTML	CSS, SCSS	JSON, YML, TOML

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

Theory:

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.

Contact

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