DAVID BIRO
FULL-STACK WEB DEVELOPER

Experiences / Jobs

Building permit tracker for San Francisco @ RolloutIt Kft.

`React` `NodeJs` `Firestore` `Google Cloud Run` `Docker` `Cuple`   since Aug 22, 2023
`Styled-components`

I was a DevOps in this project at first, but later I got joined to the other developer. We rewrote it while we extended it with violation tracking.

Reverse Auction Plugin for Shopify @ RolloutIt Kft.

`Shopify` `React` `NodeJs` `Firestore` `Google Cloud Run` `Docker` `Rust`   Mar 2023 - Feb 2024
`Styled-components`

I was alone in this project. RolloutIt got this project with an existing codebase. It was horrible. Really, Really horrible. I have never seen something like this. It's so bad that I worked on this for a year and that's the first thing I remember. By now, mostly it's rewritten, and managable. I fixed many bugs, but I also added new features like:
- Multicurrency support
- Auto draft order sending
- CSV import

B2B webshop for hardware wholesale @ RolloutIt Kft.

`NodeJs` `React` `tRPC` `NAV (Hungarian tax authority)` `MongoDB` `Docker`   Dec 2022 - Mar 2023

Nothing interesting... Other than I tried tRPC, but it had some issues, so I created my alternative: Cuple RPC. (Well after this project though.)

WEB 3.0 site for StrongNode @ RolloutIt Kft.

`NodeJs` `Rust` `React` `Styled-components` `Webpack` `Docker` `Nginx`   Feb 2022 - Jan 2023
`Redis` `AWS SES` `AWS Rekognition` `Mailjet` `Websockets`

We were 3 full-stack developers in the team. Here are some interesting modules that I made here:
- KYC (passport verification with face recognition).
- Authentication with magic link
- In-memory Usage limiter service (with Rust) to balance the load of 10+ backend instances

Open Source Contributions

There's a lot actually. Check my [Github](#)!

Workshops I made

CSS Preprocessors

`React` `Sass` `CSS naming conventions`

Networks and Webservers

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

Experiences / My Projects

Woodworkers-lib

`OpenSCAD`   in Nov 2023

I'm not a woodworker myself, but I can make some cabinets for myself and I did it many times in the past. I made this lib to make it faster. I found it useful enought to share. So enjoy!

Cuple RPC

`Typescript`   in Jul 2023

Typesharing between frontend and backends made easy. The missing type-safety for full-stack. An alternative to tRPC.

DavidHomeVentory

`Typescript` `Cuple` `React` `Capacitor` `Docker`   in Dec 2022

Managing space in a small flat is always a big challange. I stick QR codes to boxes and I record every item atached to its id. This way I can pile the boxes up and I can search them with my phone easily.

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

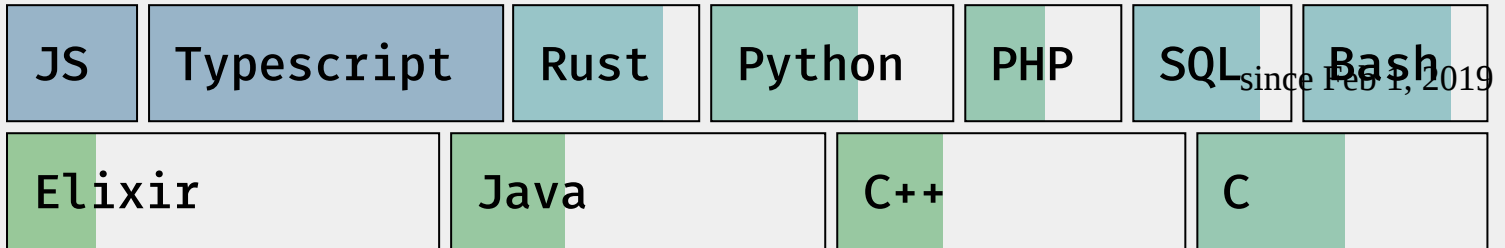`NodeJS` `Typescript` `Rust` `Neon bindings` `React` `Electron`   since Mar 1, 2019

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. However I rewrote it in Rust completely. Currently, I am adding new features.
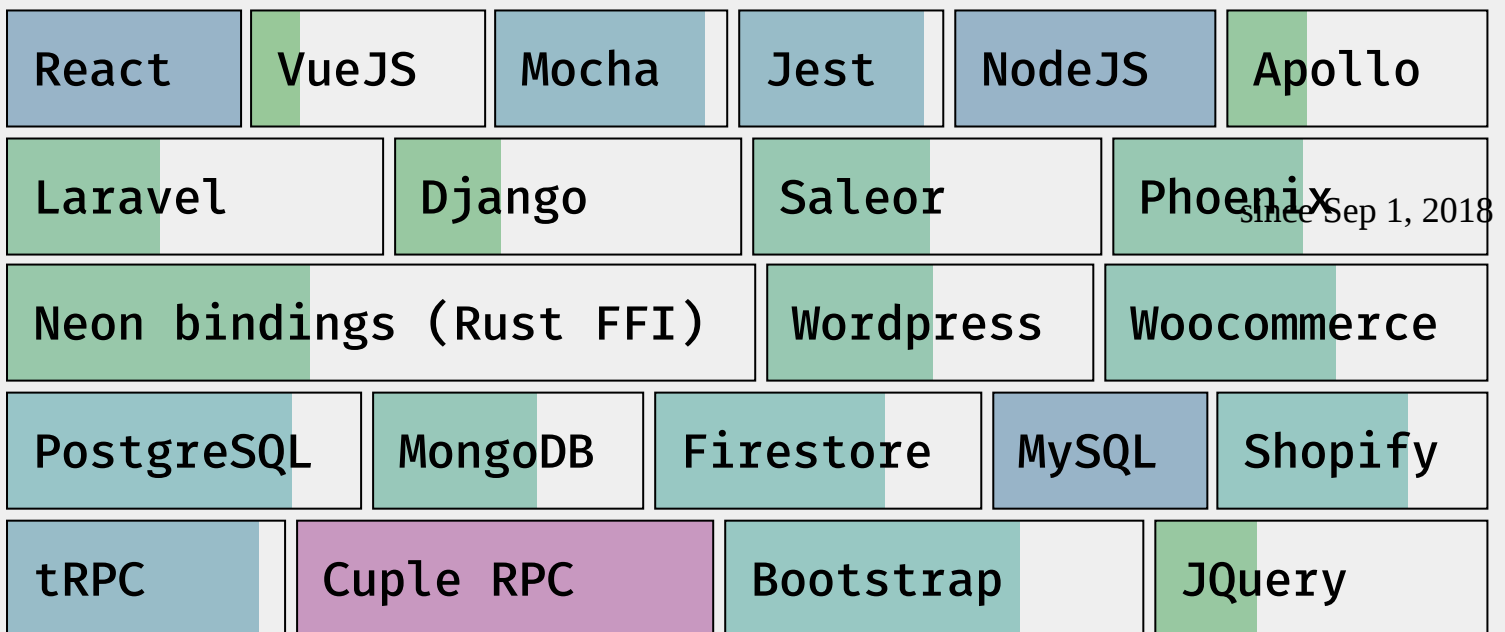
Skills

Programming languages:

JS	Typescript	Rust	Python	PHP	SQL	Bash

Elixir	Java	C++	C

Markup Languages:

HTML	CSS, SCSS	JSON, YML, TOML

since Jan 1, 2019

Other:

React	VueJS	Mocha	Jest	NodeJS	Apollo

Laravel	Django	Saleor	Phoenix

since Sep 1, 2018

Neon bindings (Rust FFI)	Wordpress	Woocommerce

PostgreSQL	MongoDB	Firestore	MySQL	Shopify

tRPC	Cuple RPC	Bootstrap	JQuery

DevOps:

AWS	Google Cloud	CI/CD	GNU	Linux	Docker

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

Gravit designer

Human languages

Hungarian	Written English	Verbal English

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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