



Krisztián Ádám

fullstack developer

adamkrisz@gmail.com

+36 30 2327855

hangyas.github.io

SKILLS

Elixir/OTP
Tailwind CSS
Scala
Docker
Clojure

WORK EXPERIENCE

2022-present **Senior Elixir developer @ TSG Global**

- Automating the company's billing processes (including stripe integration)
- Fixing bugs and improving the performance of legacy elixir services handling millions of messages per hour

2020-2022 **Senior Elixir developer @ LIQID Investments GmbH**

- Building integrations for various REST API
- Utilizing distributed erlang and OTP features
- Designing a secure public API
- Proposing and delivering an admin dashboard with LiveView and Tailwind CSS

2019 **Ruby on Rails developer @ Tigra kft**

- SQL and HTTP request optimizations
- General full-stack development (ruby, RoR, CSS, Less, jQuery, PostgreSQL)
- REST API client and server development

2016-2020 **Freelancing / Student work**

- Collaborating with international teams as well as delivering projects on my own
- **UpEd**: Elixir, Phoenix, Ecto, JSON-API, PostgreSQL
- **Telegram bots**: NodeJS, MongoDB, docker
- **ETL tool**: python, xml, yaml, json
- **Blackcart.co**: Fullstack development, CORS, subdomains, Twilio, Stripe integration
- **Serokell**: frontend developer (TypeScript, CSS, nix)

PUBLICATIONS

(2021) Depthwise Convolutions using Physicochemical Features of DNA for Transcription Factor Binding Site Classification: Physicochemical Features for DNA-Protein Classification with Depthwise Convolutions (et al) [doi:10.1145/3571560.3571563](https://doi.org/10.1145/3571560.3571563)

(2021) Transcription factor binding site detection using convolutional neural networks with a functional group-based data representation (et al) [doi:10.1088/1742-6596/1824/1/012001](https://doi.org/10.1088/1742-6596/1824/1/012001)

(2021) Training models employing physico-chemical properties of DNA for protein binding site detection (et al) [doi:10.1109/ICAPAI49758.2021.9462057](https://doi.org/10.1109/ICAPAI49758.2021.9462057)

(2018) DNA Readout Viewer (DRV): visualization of specificity determining patterns of protein-binding DNA segments <https://doi.org/10.1093/bioinformatics/btz906>

- Building a SaaS webapp (<https://drv.brc.hu>)

OTHER ACHIEVEMENTS

2018 **Teaching Python class** for natural science students

- Covering python basics, numpy, matplotlib

2016-2022 **Telegram Bot API wrapper for crystal**

- Developing and maintaining the library in my free time

- It had 68 stars on github

- https://github.com/hangyas/telegram_bot

2013-2015 **HTML5 apps for Firefox OS**

- They were actually successful until Mozilla canceled Firefox OS

EDUCATION

2015-2018 **Molecular Bionics Engineering** @ University of Szeged

- Including computer science, algorithms, data structures

- physics and biology

CERTIFICATIONS

2019 Cambridge Assessment English C1

2018 <EPAM> Introduction to Big Data - graduated with honors



A handwritten signature in black ink, appearing to read 'Alenka', located at the bottom right of the page.