



Krisztián Ádám

fullstack developer

adamkrisz@gmail.com

+36 30 2327855

hangyas.github.io

SKILLS

Elixir
Tailwind CSS
Scala
Docker
Clojure

WORK EXPERIENCE

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

- Building integrations for various REST API
- Implementing data transformation and validation with Ecto
- Designing a secure publicAPI
- Proposing and delivering an admin dashboard with LiveView and Tailwind CSS

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

- SQL and HTTP request optimizations
- General fullstack 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) 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
- Vert.x, netty, kotlin, SVG, jquery, CSS, three.js, Ajax, MySQL, docker
- Writing parsers for bioinformatics data formats
- 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
- 2016-2017 **Android apps**
- **AntPaint**: drawing app with special algorithms to draw interesting line shapes (+ REST backend for sharing drawings in editable format)
 - **Slide**: 2D puzzle game (+ REST backend for leaderboard)
 -
 - <http://hangyas.github.io/#android-apps>
- 2013-2015 **HTML5 apps for Firefox OS**
- They were actually successful until Mozilla canceled Firefox OS
 - JavaScript, jQuery, canvas, SVG

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



Alam