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 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, Twillo, 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

(2021) Training models employing physico-chemical properties of DNA for protein binding site detection (et al) doi: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