

# Lajos Deme Dr.

Software Developer

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[www.github.com/lajosdeme](https://www.github.com/lajosdeme)

[www.medium.com/@ldeme](https://www.medium.com/@ldeme)

## Software projects

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**Personal website:** [www.lajosdeme.com](http://www.lajosdeme.com) (for additional info and projects)

### Microblogging platform on the blockchain:

- Built a fully-functional blockchain with the Cosmos SDK that works as a decentralized version of Twitter
- Users can post thoughts, comments which are then recorded as transactions on the blockchain
- Used the Golang programming language for building this project
- Integrated IPFS (Interplanetary File System) for storing and retrieving the user avatars in a decentralized manner
- Built a bare-bones (yet) front-end using React.js, Node.js and Next.js
- Utilized: Golang, Cosmos SDK, IPFS, Nginx, JavaScript, Node.js, React.js, Next.js

### Smart contract minting NFTs from Instagram images:

- Created a smart contract running on the Ethereum blockchain that creates non-fungible tokens from Instagram images
- The smart contract connects to a Chainlink oracle, which downloads a picture from Instagram, uploads it to IPFS, sends back the content identifier to the contract, which then creates an ERC-721 token for the user
- Built a minimal React.js front-end for interacting with the contract
- Utilized: Solidity, Ethereum, Chainlink, IPFS, Instagram private API, Node.js, Next.js, React.js

### Instagram automator & scheduler:

- Built an Instagram automation bot for Android using Kotlin and UIAutomator
- Built a Node.js app for scheduling and posting content automatically to Instagram using their private API
- Used these two apps to grow an Instagram account to more than 17k followers and also launched a profitable e-commerce website on top of that account
- Utilized: Node.js, Express.js, Heroku, Kotlin, JavaScript, Instagram private API

## Work

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### Independent Contracting

April 2019 - Present

- Working with clients and developers from multiple countries on a variety of projects. These encompass various facets of software engineering, including the development of a complex new product from the first line of code as well as smaller debugging jobs and updates to existing iOS apps.
- Learned a lot about intercultural work relationships, communicating with clients, translating their requirements into code and functioning products, estimating reasonable time-frames for new features, and of course, writing clean, readable, and robust code that passes both UI and unit tests and the ultimate test of real-life users interacting with it.
- Since April 2020 I spent most of my working hours building the iOS app from the first line of code for a Hungarian startup that will launch this year.

## Education

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### ELTE University, Faculty of Law, Budapest, Hungary

#### Juris Doctor, Cum Laude

- Wrote my thesis about intergovernmental investment & financial contracts. Specialized in financial contracts & international law through classes and coursework. Developed a deep interest in blockchain, smart contracts, and decentralized finance.

## Skills

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- **Software:** Swift, Xcode, Golang, JavaScript, Node.js, Express.js, Git, Solidity