

Martynas Maciulevičius. [martynas.maciulevicius+cv@pm.me](mailto:martynas.maciulevicius+cv@pm.me); +37060332972

I value knowledgeable colleagues and good design. Process is important as long as it doesn't interfere with progress. I used some cryptography; I can do basic machine learning. I'd prefer to work on a Back-end role.

## Experience

### Data Engineer; Vilnius

Telia – Telecommunication company  
Since middle of August of 2024

- Learning DWH and their infra

Tech: Python, AWS (S3, Redshift), SQL, Airflow

### Clojure developer; remote

Dewise.com – Software consulting company  
July 2021 – March 2023

Real-time database to deliver data to back-ends based on their queries.

- Collaborated with separate back-end team and two architects.
- Designed a reactive database index, query DSL and permission scheme.
- Designed database model and schema for bitemporal DB.
- Discussed/Anticipated blockers and refactorings.

Tech: Clojure, babashka, XTDB 1, WebSocket, Azure.

### Founder (and everything)

Caller.It – Paid One-on-One call app; Personal project.

April 2020 – 2022 (decided to postpone the project until later)

- Real-time transaction engine similar to LMAX (financial platform).
- Custom persistent and replayable queue (snapshots, serial execution).

Tech: Clojure, React, React Native, JS, TypeScript, PostgreSQL, Terraform, AWS.

### Golang (and later TypeScript) developer; remote

Was hired by Robert Zaremba (zaremba.ch); remained for multiple projects.

[github.com/scale-it/algorand-builder](https://github.com/scale-it/algorand-builder) – Algorand smart-contract tool.

June 2020 – November 2020

- Worked on design document together with CTO.
- Laid the initial gruntwork for the project.

Tech: TypeScript, Algorand blockchain tools.

Cerealia.ch and Sequenz.io – Contract management on blockchain.

September 2018 – April 2020

- Co-designed and implemented the smart-contract (together with CTO).
- Worked mainly on backend features and occasionally on front-end ones.
- Performed code reviews.

Tech: Golang, ArangoDB, GraphQL, Stellar.org blockchain, React, JavaScript.

### Clojure developer

Tokenmill.It – Data analysis and NLP analysis company

January 2018 – August 2018

- Crawled web data and imported databases into data lake.
- Tweaked Elastic Search analyzers to support complex searches.

Tech: Clojure, Elastic Search, Docker.

## Intern (Python)

CERN – European Organization for Nuclear Research

July 2017 – September 2017

- Designed a web service test suite.
- Backed tests by local SQLite instead of remote Oracle DB.

Tech: Docker, Python, Flask, SQLAlchemy, Selenium, SQLite.

## Java developer

Swedbank.se – Bank in Baltics and Sweden

October 2015 – June 2017

- Implemented document management features.
- Interacted with COBOL database system.

Tech: IBM Java SE 6, Spring MVC, Angular 1.3.

## Junior developer (Android)

Acorn Intelligence – Small startup; RFID asset management app.

January 2014 – October 2015

- Android app and its Java backend (one of two backends).
- Reasoned with founder after CTO left.

Tech: Android, Java (SE 6, SE 7, SE 8), PostgreSQL.

## My own projects

- React-Native rendering library (TS, JS): [gitlab.com/invertism/rnht](https://gitlab.com/invertism/rnht).
- Terms analyzer (Clojure, ChatGPT, Python): [termsoverload.com](https://termsoverload.com).
- Presentation about LLMs: [youtube.com/watch?v=sap3Z-LpNjY](https://youtube.com/watch?v=sap3Z-LpNjY)
- Mini motorways clone (Python, BrythonJS) (ask for sources).
- Tetris (Clojure, genetic algorithms): [invertism.gitlab.io/cljs-tetris](https://invertism.gitlab.io/cljs-tetris).
- More: [gitlab.com/invertism](https://gitlab.com/invertism), [github.com/invertism](https://github.com/invertism), [mmaciul.lt](https://mmaciul.lt).

## Languages

- English Working proficiency (completely fluent, maybe even C2)
- Lithuanian Native
- Russian Working proficiency (slight accent)
- Polish Elementary proficiency (perfect accent, low vocabulary)

## Education

|                   |   |
|-------------------|---|
| <b>2016-2020</b>  | Master's degree, Vilnius University.                  |
| Program           | Computer Modelling.                                   |
| Thesis            | Anonymous time locks using Proof of Work (in Golang). |
| <b>2016-09-19</b> | Situational leadership training (sekmeslab.lt).       |
| <b>2011-2015</b>  | Bachelor's degree, Vilnius University.                |
| Program           | Informational Technologies.                           |
| Thesis            | Measurement of distance to RFID tag.                  |

Buzzwords: API, AWS, Agile, Android, Babashka, Back-end, Backend, Clojure, ClojureScript, Columnar databases, Cryptographic hashing, Cryptographic signatures, Cryptography, DDD, Domain driven design, Elastic Search, Encryption, Extreme programming, FP, Functional programming, Go, Golang, GraphQL, HTMX, Java, JavaScript, Kanban, Kotlin, LLM, Large language models, Lucene, PostgreSQL, Python, REST, React, React Native, Reactive programming, Relational databases, SQLite, Scala, Scrum, Stellar.org, TDD, Test driven development, TypeScript, Web3, Word2Vec, XTDB