

# Ing. Matúš Sabat



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## 01 EMPLOYMENT HISTORY

10/2022 — 03/2023

### Education Project at Unicorn a.s.

Prešov

In October, I completed a training program within the Unicorn company. From this program I gained valuable experience in Javascript, ReactJS and MongoDB and more.

From November to the end of December, I worked on a project that dealt with the development of the environment for the creation of the courses themselves. We had to ensure that each course had tests, knowledge cards, a file manager, lessons and etc. As part of this project, I mostly fixed bugs on the frontend side. But I also created web components.

Since the new year, we have started working on a new project. This project dealt with study groups. Each group had to have a certain number of students and at least one teacher. The teacher could create assignments and tasks for the students, which he then graded. Our task was to create a folder structure and create entities. For example, I was creating an entity of study materials. I was doing this implementation on the backend side. I was creating CRUD commands.

I also spent about 2 months creating automated tests that tested whether our implementation works correctly.

## 02 EDUCATION

Sep 2017 — May 2022

### Technical University of Košice

Košice

Informatics

Master thesis: Language for generating the flowcharts.

Bachelor thesis: CS:GO match result prediction.

Sep 2013 — Jun 2017

### Gymnázium Komenského 32

Trebišov

Graduation subjects: Slovak lan. , English lan. , math, informatics

### 03 SKILLS

HTML & CSS	● ● ● ● ●	Linux	● ● ● ● ●
JavaScript	● ● ● ● ●	Visual Studio Code	● ● ● ● ●
Git	● ● ● ● ●	NodeJs	● ● ● ● ●
Python	● ● ● ● ●	ReactJS	● ● ● ● ●
Java	● ● ● ● ●	MongoDB	● ● ● ● ●
IntelliJ IDEA	● ● ● ● ●	PostgreSQL	● ● ● ● ●

### 04 HOBBIES

Playing on guitar, playing computer games, going to bowling or billiard with my friends.

### 05 LANGUAGES

Slovak	● ● ● ● ●	Russian	● ● ● ● ●
English	● ● ● ● ●		

### 06 COURSES

Aug 2022 — Sep 2022

**Learn JavaScript at Codecademy**

Sep 2022 — Sep 2022

**Learn Intermediate JavaScript at Codecademy**

Oct 2022 — Nov 2022

**Hatchery at Unicorn a.s**

### 07 PROJECTS

#### Bachelor thesis (Python)

I worked with multiple algorithms. I extracted very big amount of data from web faceit.com. When I downloaded data of players last 10 matches, I trained model on this data and later i used this prediction model to predict results of next game of particular player.

#### Master thesis(Java, JavaScript, TypeScript React)

I created language for generating the flowcharts. i can split work on 3 parts. In the first i was making language in ANTLR generator. I created Lexer and Parser by generator. In the next part I created UI by React and Monaco-editor. Monaco is simple framework for creating in browser VSCode like editor. After I translated code to bytecode, which i wrote in UI. I made translator in programming language Java. In the last part i made next UI in webstorm where i was using HTML, CSS and JavaScript. In the JavaScript i created flowcharts with library flowchart.js.

#### Team Project (Ionic)

The team consisted of 5 members. Application for checking entry tickets for SFZ matches, which are checked at the entrance to the field. This application was developed for company bart.sk. The application was cross-platform for Android and IOS. I was doing UI design in Figma, development of UI and API connection with servers.

Apr 2023 — Present

## MotoWiki

I am currently working on my own responsive web application. This application is about cars, where the main function is to compare cars with each other. The application consists of a backend and a frontend. I created the backend from Java, JPA, Spring boot, Gradle and the PostgreSQL database. I have created several entities like car brand, model and engine. For each object created, I can use any of the CRUD operations using Postman. I used ReactJS, TypeScript and Tailwind for the frontend.

GIT project URL:

<https://github.com/TediaN97/Moto>