

MATEJ BUJŇÁK

Software Engineer & Student at FIT CTU

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Prague, Czechia



ABOUT ME

A driven and motivated IT enthusiast with practical experience in real-world software projects. Currently studying Artificial Intelligence at FIT CTU in Prague. Experienced in programming with **Python, JavaScript/TypeScript**, working with Linux, and cloud solutions. I enjoy solving complex technical challenges and continuously learning in the fields of AI and web technologies.

WORK EXPERIENCE

Founder & Lead Developer

2023 – Present

Self-employed

- Leading and executing software projects from design to deployment.
- Full-stack development, architecture, and custom technical solutions.
- Responsible for code quality and product functionality.

Software Engineer

May 2024 – Sep 2024

DataX Computing (Full-time)

- **LinkTV Project:** Development of a public website and internal management dashboard.
- Technologies used: **Vue.js, AWS, Node.js, MongoDB, Express.**
- Design and implementation of both Front-End and Back-End (API logic).

Software Engineer

Jan 2023 – May 2024

Reactoo (Part-time)

- Development of a platform for real-time video production.
- Creating an SPA dashboard for live stream management.
- Serverless backend on **AWS** and a custom plugin for **Elgato Stream Deck.**
- Technologies: Node.js, Linux, AWS.

EDUCATION

Czech Technical University in Prague (FIT CTU)

Sep 2024 – Jul 2027

Bachelor's Degree: Artificial Intelligence

Technologies

Python Node.js JavaScript / TypeScript React.js
Vue.js Flask C++ PHP

Tools & Other

AWS (Cloud) Git Linux SQL / MongoDB Figma

Certificates: CCNA 1-3 (Cisco), IT Essentials (Cisco), Microsoft Excel 365 (Skillmea), Figma (Skillmea).

SELECTED PROJECTS

Car Price Predictor

Python · ML

Open-source | ML pipeline for used-car price prediction on autobazar.eu listings

End-to-end workflow: data collection (~21,000 listings), EDA, feature engineering, model training, and tuning.

- **Best model:** Tuned LightGBM
- **Results:** $R^2 \sim 0.95$, MAE ~900 EUR, about 85% within $\pm 20\%$
- **Stack:** pandas, scikit-learn, LightGBM, XGBoost, CatBoost

[GitHub repository](#)

Car Price Assistant

Chrome Extension + FastAPI

Open-source | Chrome extension showing estimated market price directly on listings

Reads listing data from autobazar.eu, sends it to a local backend, and displays an Overpriced / Good Deal badge.

- **Frontend:** JavaScript, Chrome Manifest V3
- **Backend:** Python, FastAPI, LightGBM, joblib

[GitHub repository](#)

car-listing-collector

Python scraper

Open-source | Autobazar.eu listing scraper for data analysis workflows

Respects robots.txt, uses polite crawl delays, supports resume/append, and exports CSV/JSON via CLI.

- Output: structured dataset of vehicle parameters (price, mileage, fuel, transmission, power, region)

[GitHub repository](#)

Chess Dashboard

Next.js 14 · TypeScript

Open-source | Full-stack analytics dashboard for Chess.com and Lichess

Visualizes ratings, openings, and activity across platforms in a responsive UI.

- **Stack:** Next.js (App Router), TypeScript, Tailwind CSS, Recharts, SWR
- **Features:** rating history, W/L/D metrics, opening analytics, activity heatmap

[GitHub repository](#)