DOMINIK STEINHAUSER

Fullstack Developer

Brno, Czechia

Dominik Steinhauser

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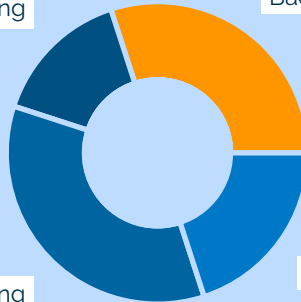
Ing.
FIT VUT

Brno University of Technology

I am an enthusiast for AI and computer vision development always looking for new challenges.
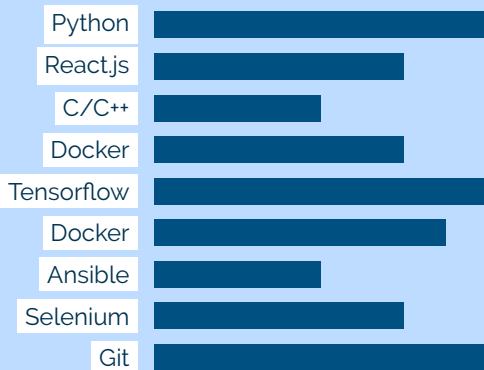
AREAS OF INTEREST

Image processing

Backend

Machine learning

Frontend

FOREIGN LANGUAGES

- English (C1)
- Spanish (C1)
- German (B1)

LANGUAGES AND TECHNOLOGY

- Python
- React.js
- C/C++
- Docker
- Tensorflow
- Docker
- Ansible
- Selenium
- Git

I like to work in agile teams following IT development best practices like clean code, code reviews, testable code etc. allowing for productivity and ensuring a positive impact.
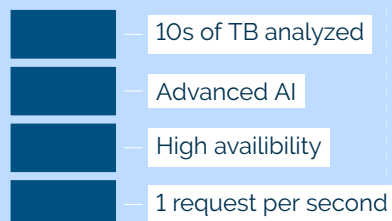
The aspects I enjoy most in programming are refactoring and removing old unused code.

FUNGUS APP

500 000 downloads

Google Play

I founded a computer vision startup. We are developing an application that classifies mushroom species based on the image and other metadata. There are currently 3 team members.

- 10s of TB analyzed
- Advanced AI
- High availibility
- 1 request per second

EXPERIENCE AND EDUCATION

2022

Experience Projects Education

June 2020 Frontend developer
Avast

June 2020 Computer vision engineer
SANEZOO

March 2019 Founder and Developer
Fungus app

February 2019 Software engineer
Vacuumlabs

January 2018 AI Programmer
IXPERTA

August 2017 Python programmer
IXPERTA

May 2017 Ing. Graduation
BUT

December 2016 Developer
Mushroom Identification app

June 2015 Hardware programmer
Codasip

May 2015 Bachelors's degree
BUT

June 2014 PHP programmer
Bestone Service

2014

PROJECTS

3/2021 – Present

Avast One   **Avast**

I worked on the Frontend of the new all-in-one product of the Avast company that combines an antivirus with VPN, speed-up, and security tools.

`Javascript / Svelte`

6/2020 – Present

Sanezoo Unity   **Sanezoo**

I worked on creating complex AI driven system for visual QA in the industry. I was responsible creation and optimisation of the core component, that integrated our algorithms into a product deployable to the customers.

`C++ / Tensorflow`

2/2019 – present

Fungus App   **My project**

I created a mobile app that identifies mushrooms based on images. The classification pipeline combines multiple machine learning approaches. It has more than 500,000 downloads now.

`Python / React native / Docker / Tensorflow`

2/2019 – 3/2020

StockTwits.com   **Vacuumlabs, Stocktwits.com**

As a part of a four-member frontend team I worked on the development, maintenance and refactoring of a social network dedicated to the Stock Exchange. Apart from developing new features we significantly improved the code quality.

`React`

5/2018 – 2/2019

Industrial Vision startup   **Ixperta**

As a backend team, we created a new system of visual quality control in the industry. The system had to be highly reliable as the whole production line was stopped when an error occurred. I was responsible for the computer vision part; doing pre-sales experiments, as well as integrating and tweaking existing image processing algorithms.

`Docker Swarm / Ansible / Microservices architecture / Tensorflow / Python`

12/2017 – 4/2018

Škoda Auto testing   **Ixperta, Škoda Auto**

I led a team of three engineers. We were responsible for creating a testing framework for a team of 20 manual testers to be able to create and manage test cases in a web UI. Real cars, car parts, simulators and the company web application were connected to our system. We were fully responsible for the design of the product, selected technologies and dev- ops. I was responsible for the communication with the customer and addressing their feedback to develop an application to match their needs. I also trained the manual testers and saved them many hours of the most monotonous work every day allowing them to concentrate on more sophisticated test cases.

`Python / Selenium / PostgreSQL / Docker`

6/2017 – 12/2017

Screenix   **Ixperta, Agrofert**

We were a team of four engineers. We created a tool for checking sanctioned people and organizations to comply with Czech international business law. There are public lists of terrorists, authored by the UN, governments and ONGs, that are organized in many different ways, each providing quite limited information. We had to tackle the complicated nature of the problem as many sanctioned subjects used different pseudonyms; and information was uncertain, incomplete, and possibly faked by the checked business partners.

`Python / Docker`