

# Daniel Crha

*Software engineer with a passion for C#, functional programming and dark modes*

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## About me

I like to think of myself as a rare instance of a software engineer with strong soft/interpersonal skills.

I love learning new things and facing new challenges, the most interesting tasks are the hardest ones.

If something will give me the opportunity to work with things I am not familiar with, chances are that I'll have fun doing it.

While I'm primarily a backend developer, I am also interested in things related to AI and ML, and I've learned quite a bit from the field during my studies. This means that while I may not be an AI/ML engineer, I know enough to effectively communicate and work with people specializing in AI/ML.

I always strive to write the best software that I can, both when it comes to code style and quality, and when it comes to the design quality and consistency of larger software units.

I love to work with teams of experienced engineers who share my passion for quality software, but I believe that I am also very self-sufficient and independent in solving my tasks.

I am a strong proponent of frequent and in-depth code review, as well as pair programming - I believe that they are not only the best ways of writing quality code, but also a great means of personal improvement for individual developers.

I am passionate about open-source software, and I sometimes contribute when time allows (although not nearly as often as I'd like).

## Work experience

**KENDAXA** - Software engineer (.NET - part-time) 2018 - now

Full-stack (primarily backend) C# development focused on digitizing clients' business processes. Building web APIs with microservices architecture. Frequent interop with AI/ML solutions.

## Education

**Faculty of Mathematics and Physics, Charles University, Prague** 2020 - now  
Master in Software and Data Engineering

**Faculty of Mathematics and Physics, Charles University, Prague** 2016 - 2020  
Bachelor in Computer Science

**Gymnázium Nad Kavalírkou** 2007 - 2016  
High School

## Technical skills

**Backend development**

C# (.NET Core), ASP.NET Core for web APIs  
Python (primarily in AI/ML contexts)  
Docker

**Frontend development**

Angular with Typescript, SCSS, HTML

**Database technologies**

MongoDB

SQL

**Operating systems**

Linux (favorite distribution and window manager: Ubuntu with i3-gaps)

Windows

**Scripting**

Bash, Python

**Other**

Git

LaTeX

CI/CD

**Languages****Czech** - Native speaker**English** - Fully proficient (C2 CEFR certified)**German** - Basic/intermediate**Personal  
interests**

I am interested in technology of all kinds, although I'm primarily interested in things related to software development (especially functional programming).

I also enjoy computer games, esports and table tennis.