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.