JAN KONIARIK

C++ Senior

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WHO AM I?

Establish your vision, your goals. Plan, execute, evaluate - dutifully do all steps of the process. Easy, right? All should work as well greased clock.

Well, I am the guy that tries to make sure the clock is well greased and works on valuable things.

EXPERIENCE

09/2023 - now **Senior software engineer** **Codasip**

- Member of team handling initial processing of proprietary programming language.

- Took over a rewrite of the tool - lead small team creating a new generation of the software. Handled software architecture and management of the team.

- Handled architectural work for the team - work on specifying new language features, assessment o development cost. (Meta-programming facility, improvements to in-house pre-processor, dynamic integer)

- Served as stand in for team lead.

- Spawned `https://github.com/koniarik/vari` as basic block for development of new generation of the tool.

`C++ / Architecture / Testing / Language Design`

01-09/2023
part time
Consultant **Dronetag**
Automatization of production testing
`C / Python / Zephyr / Embedded`

2022 – 2023 **Software Engineer** **ISEE**
Mentoring juniors, handling software quality, helping with architectural guidelines, developing middleware
`C++ / Real-Time / Middleware`

2016 – 2024
part time
Teaching at university **Masaryk University**

- `Onechip Controllers` Lead the course - prepared content, exams, and managed teaching assistants.

- `Real Time Systems` Managed mandatory project and handled few lectures

- `Teaching Lab` Soft-skill course for future teaching assistants.

- `Others`: Algorithms and data structures, Programing in C++, Foundations of Programming

`C++ / Middleware`

2014 – 2018
part time
Developer **Trustica s.r.o**
Administrator and developer of multiple instances of ticketing system. Direct contact with customers.

NON PROFIT

2024 **TMOU 25** **Instruktoři Brno, z.s.**
Logistics and production

2024 **Slowdating City** **Instruktoři Brno, z.s.**
Logistics and production of more sophisticated alternative to speeddating

2023 **TMOU 24** **Instruktoři Brno, z.s.**
Logistics and production, build clock with 1km diameter.

EDUCATION

2018 – 2020	**Failed Phd**	Masaryk University
	Low-cost legged robot, motion planning.	
	`C++  /  ROS`	

2018 – 2020	**Master's Degree**	Masaryk University
	Motion planning.	
	`C++  /  ROS`	

2014 – 2018	**Bachelor's Degree**	Masaryk University
	Software for legged robots.	
	`C++  /  ROS`	

LANGUAGES

Czech - native
English - efficient

HOBBIES

Warhammer 40k figures.
Open-source servo project: `https://github.com/emsro/servio`