

FILIP KRÁSA

SOFTWARE ENGINEER

Brno, Czechia

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Portfolio / GitHub / LinkedIn



01 EXPERIENCE

- CERIT-SC, Masaryk University** Software Engineer

APR 2024 - SEP 2026 · 2Y 6M

 - Owned architecture and delivery for MDDash across full-stack development, Kubernetes, CI/CD, and production operations.
 - Served as technical point of contact for researchers and onboarded a successor who began shipping changes within a week.
- GUBI Computer Systems** Software Developer

NOV 2022 - APR 2023 · 6M

 - Integrated a payment-terminal DLL into an existing .NET application and database; shipped to production and remains in use.

02 SELECTED WORK

- MDDash** Primary Engineer

mddash.cloud.e-infra.cz

Open-source research environment for reproducible molecular dynamics experiments, covering setup, simulation, tuning, analysis, and data management.
- Talqo** Technical Lead & Co-Creator

talqo.chat

Lead technical direction in a four-person team building an AI agent platform for websites with RAG, MCP integration, secure embedding, and multi-provider support.
- yfinance** Open-source Contributor

PR #2023

Implemented the library's missing analysis module after encountering it in my own project; merged upstream in 2024 and still part of yfinance.
- Stock Watcher** Personal Project

stocks.salonek.org

Long-term stock research platform with sector-aware scoring, live S&P 500 benchmarking, and Trading 212 portfolio analysis.

03 EDUCATION

- Masaryk University, Faculty of Informatics**

2023 - 2026

BSc, Programming and Application Development

Dean's Award for Bachelor's Thesis
- VOŠ a SPŠ Šumperk**

2019 - 2023

Technical Secondary School, Information Technology

04 TECHNOLOGY

CORE	APPLICATION	PLATFORM	AI
TypeScript	React	Kubernetes	RAG
Python	Hono	Docker	MCP
SQL	FastAPI	Helm	Embeddings
C#	PostgreSQL	GitHub Actions	LLM APIs

05 LANGUAGES

Czech native · English fluent · German basic