Fedor Kanin

Data and ML Engineer

github.com/fedorkanin   theo.kanin@gmail.com
+420 774 375 751   Prague, Czech Republic
linkedin.com/in/fedorkanin/   Israeli citizenship

WORK EXPERIECE

Multidisciplinary software engineer | CDN77 | 2024 – Present
- Developing various Go microservices communicating with RabbitMQ, ClickHouse, Kafka, Elasticsearch, Redis, CockroachDB, MySQL.
- Creating complex integration tests simulating network failures with Testcontainers and ToxiProxy.
- Debugging and profiling with Delve, net/pprof.
- Writing Ansible roles.
- Writing package-related stuff: deb scripts, systemd unit files.
- Setting up metrics and alerting with Prometheus and Alertmanager.
- Writing GitLab CI pipelines, setting up DinD.

PROJECTS

CLI table editor | C++ | github.com/fedorkanin/tabedit
- Created a CLI table editor that features arithmetic operations, dynamic formula evaluation, and import and export to JSON.
- Used modern solutions like static polymorphism via C++17 features.

Other features:
- Doxygen for automatic documentation generation.
- Makefile with dependency lists generation for effective recompilation.

Sudoku solver | C | github.com/fedorkanin/hexadoku
- Created a 16x16 hexadecimal sudoku solver rated the best in speed at my university.
- Used and improved Donald Knuth's Algorithm X for exact cover problem solving.

New Year Quiz | SvelteKit | github.com/fedorkanin/safetybox-quiz
- Created a New Year quiz web app for SafetyBox clients.
- Used SvelteKit with HTML, CSS, JavaScript and Vite.
- Deployed the app using Docker with Node.js, configured Nginx on a Linux server

ABOUT

I am an enthusiastic third-year Artificial Intelligence student at FIT CVUT. With a **strong foundation in programming and mathematics,** my key skill lies in **Go and Python development,** complemented by a broad knowledge of various programming languages. I am passionate about **learning new technologies and staying up to date** with the latest advancements in the field. I care about **code quality and readability,** which makes me an effective team member. I'm good at **co-development, blending technical, teamwork and communication skills.**

SKILLS

Go
    sqlc
    gqlgen
    Testcontainers
    pprof
C/C++
    Makefile
    Doxygen
    g++
Python
SQL
Ansible
Prometheus
Docker
Linux
Git

LANGUAGES

English - C1
(Cambridge certificate)
Czech - C1
Russian - Native
German - A2
Spanish – A2

EDUCATION

B.S.
Computer Science, specialization in Artificial Intelligence
Czech Technical University
Prague
September 2022 – current

Secondary
Lyceum, IT-specialized class
2017 – 2020