

# Alan Urmancheev

Software Engineer

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## Skills

Programming languages: Rust, Go, Bash, C, C++.

Technologies: Linux, Git, Docker, Nix, NixOS.

Languages: C1 English, fluent Russian.

## Education

In IT since 2019. Studying for a bachelor's degree at the [programming school 42](#) for the third year, having [completed](#) the main curriculum.

## Work experience

### Inango, January 2023 – April 2023

Software Engineer

- Wrote a C memory profiler utilizing Linux's `/proc/$pid/maps`. It has been used to analyse memory patterns in a service.
- Integrated TLS between a company service and a MQTT broker using C, Go, and OpenSSL.

## Personal projects

- A [plugin](#) for the Acme text editor for viewing JSON (Go).
- A cycle collecting [garbage collector](#) and an [interpreter](#) for a shell language with closures and hashmaps (Rust).
- An [implementation](#) of the ping utility (C23).
- An [IRC server](#) (C++).
- A [website](#) to display faces of 42 school students next to their nicknames (Makefile, Bash, Go, Nix).
- A primitive [DNS server](#) (Rust).
- A [Telegram bot](#) to post channel updates (Bash, NixOS, systemd).

Have a technology focused [Telegram blog](#), have given talks at various hackerspaces ([1](#), [2](#), [3](#)).

## Open source

Contributed fixes to Go ([1](#)), Dart ([1](#), [2](#)), Nushell ([1](#)), Pallene ([1](#)), json-c ([1](#)), Upspin ([1](#)), CueKeeper ([1](#)).