Alan Urmancheev

Software Engineer, Systems Programmer

GitHub Telegram alan.urman@gmail.com Signal

Skills

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

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

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 in Go.
- An interpreter for a simple shell-like programming language in Go.
- An implementation of the ping utility in C.
- An IRC server in C++.
- A website to display faces of 42 school students next to their nicknames (Makefile, Bash, Go, Nix).
- A primitive DNS server in Rust.
- A Telegram bot to post channel updates in Bash, with a NixOS systemd module.

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).