Gleb Shabanov
Software developer

Saint-Petersburg
Russia
shabanov.ga@protonmail.com
https://github.com/suhr

Experience

2018–2019   **Junior software developer**, *Zerho LLC*, Tox-rs.
Documented the onion routing of the tox protocol, created ws-tox middleware and WebSocket based ws-tox-protocol for a Tox web client.
Maintained rstox bindings to c-toxcore.

Education

2016–2019   **Technical physics**, *Peter the Great St. Petersburg Polytechnic University*.
Incomplete

Languages

Russian   Native speaker
English   Fair (upper intermediate)

Software skills

Good level   Rust, Git
Basic level   Typescript, Python, Nix, HTML, CSS, C, Prolog, SQL, TLA+

Pet projects and contributions

Tox-rs   There are PRs outside Zerho: migrating Tox-rs to an actual Tokio version and splitting Tox-rs into separate crates.

Razbor   Razbor is a binary format specification language (WIP). It allows to specify a binary format in a formal way and generate encoders and decoders for the format. Beside the compiler, there's also an incomplete specification of the Tox protocol binary format: tox-razbor.

Blues   Blues is a dialect Lambda Prolog (WIP). It is created as a tool for prototyping compiler passes for Razbor. The name is inspired by an another language called Makam.

Writings

Conc   There are several writings on the Conc programming language. WCPL an overview of the idea. Beside it, there are several incomplete articles (calg, cpat, opcalg) on the theory. A basic type system for Conc is described using Makam language.

Gfx-rs   Graphics by Squares is a tutorial on the pre-ll gfx-rs.