Laurynas Četyrkinas

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Sailor, Free and Open Source Software movement activist, developer and system administrator with over 5 years of experience maintaining and experimenting with UNIX like machines. I am a self taught GNU/Linux programmer and computer hacker currently studying Information Systems and Cyber Security at Vilnius University.

EXPERIENCE

Kernal Community, Kaunas, Lithuania — *Founder, Programmer/System Administrator*

JUNE 2017 - PRESENT

Founder of a non-profit, free software movement community of IT developers and cyber security specialists. Providing and maintaining various development systems and services. Contributing to Open Source since 2017.

EDUCATION

Vilnius University, Lithuania — *Bachelor's Degree in Computing*

SEPTEMBER 2019 - CURRENT

Information Systems and Cyber Security.

Lithuanian Yachting Union, Lithuania — *Certificate for Radio Operators of Sailing Craft*

JUNE 2020

Lithuanian Yachting Union, Lithuania — *Certificate of Competence for Operators of Sailing Craft*

APRIL 2017

Class I.

Šiaulių Simono Daukanto gimnazija, Lithuania — *Maturity Certificate*

SEPTEMBER 2015 - JUNE 2019

SKILLS

Managing a variety of GNU/Linux distributions *(Void, Alpine, NixOS, Arch, Gentoo, Fedora/CentOS, Debian/Ubuntu, OpenSUSE).*

Programming in C, Golang, JavaScript, PHP and few other languages.

Scripting in BASH, DASH, ZSH, ASH or any other common shell.

Managing lots of databases (Redis, SQL (SQLite, PostgreSQL, MariaDB)).

Designing web applications (HTML5, CSS3).

Reverse engineering Android applications (Smali).

Some other tools/services (Git, OpenSSH, WireGuard, Nginx, Lighttpd, Apache2, LibreOffice, GIMP, Ffmpeg).

LANGUAGES

1. **Lithuanian** — native
2. **English** — proficient

PROJECTS

kChat — *A functional chat-room server that you can connect using netcat or any TCP client.*

A chat-room server that we, along with my colleague have written in C.
Why? Because IRC was not quite as good. Drop us a message:
`nc chat.kernal.eu 1337` or `telnet chat.kernal.eu 1337`.

SocketBroker — *A tool written in C that lets you broker your TCP sockets.*

A single-threaded tool written in C that utilizes multiplexing to broker another TCP connection. Check out my NMEA message stream powered by this tool on `ais.kernal.eu:5060`.

GoMarkovAPI — A simple *API that generates double ended Markov chains.*

A simple API written in Golang and powered by Redis DB and also Docker containers that generates double ended Markov chains from a given input. (Used as a funny chat bot in my Telegram group)

kCraft — *A „Minecraft" launcher written purely in POSIX shell.*

A fully fledged „Minecraft" client cramped in a single shell script. Handles asset, version downloads and library extraction.

kernal.eu — *A website and a theme for Kernal Community powered by Hugo static site generator.*

A blog of Kernal Community.

ffsteg — *A stenography algorithm based around [Farbfeld image format](#) without any dependencies.*

University assignment.

AlpineDroid — Alpine Linux chroot environment for your Android smart device.

An easy and quick script to create Alpine Linux chroot environment on your rooted Android device.

Tor Balanced — Few simple scripts to create a multi Tor instance balanced SOCKS5 proxy.

A way to download large files through Tor quickly.