

Yaroslav de la Peña Smirnov

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Skills

Technical Skills

General technical skills— More than 3 years of experience programming, deploying and maintaining programs and systems in Linux and Unix-like systems; half a year of experience programming in kernel space.

Computer languages— Well versed in C, use it as my main language; good knowledge of and some experience with Go, POSIX sh; minor experience in Rust, Python, C++, Javascript.

Libraries and frameworks— Good knowledge of the standard libraries of C17 and Go, POSIX API, pthreads, Linux Kernel API.

Computer programs and tools— Actively make use of git, vim, gdb, valgrind, ASan, Make, nginx, POSIX, standard Unix tools; some experience with PostgreSQL, MongoDB, Redis, Docker, imagemagick, ffmpeg, gstreamer.

General Skills

Languages— High level of fluency and proficiency in English, Spanish and Russian.

Education

Bachelor's Degree

ITMO University— 2016 – 2020, Saint Petersburg, Russia. Software-secured communications.

Experience

Jobs

RAIDIX, LLC— 2022 – 2023, Currently employed as a kernel space software engineer working on developing a software RAID Linux kernel module.

LIS, LLC— 2020 – 2022, Worked as a software engineer, on LTE and 5G-NR technologies, such as, QoS software and a userspace driver for SDR transceivers. Primarily used C and some Go.

Digital Trade Solutions, LLC— 2019, Worked as a Node.JS backend developer at a CS:GO game analytics project.

coinprediction.io— 2018, Helped develop the backend for a cryptocurrency arbitrage platform startup. Developed algorithms using such technologies as Python, Redis and Rabbitmq to find arbitrage opportunities and to trade with cryptocurrencies in different exchanges and markets.

Other

git.yaroslavps.com— Collection of repositories of software that I write on my free time. Some of them might have mirrors in Github and Sourcehut