

# Yaroslav de la Peña Smirnov

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<https://www.yaroslavps.com>



## Skills

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### 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

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### Bachelor's Degree

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

## Experience

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### Jobs

**KNS Group LLC (YADRO)**— 2023 – to date. Same job, previous employer was acquired.

**RAIDIX, LLC**— 2022 – 2023. 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.

## **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