

Dmytro Ivanov

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In short: Passionate developer and white hat hacker, system administrator with expertise in Linux, intermediate hardware maintenance, fluent in English.

Technical Skills:

- Advanced Linux user (used: Ubuntu, Linux Mint, Alpine Linux, PostmarketOS)
- Skilled in Python 3, Kotlin, Object Pascal (Delphi) (I mean I know it's obsolete, but yet), Bash (all listed in descending order of how well I know them) also for very basic tasks: HTML, CSS, PHP, JS (not to be tested, as my knowledge is quite so-so with those, less than 500 code lines written in total for each, except HTML), used a lot Visual Studio Code and Android Studio, also Borland Delphi (the thing we learned at school).
- Learning new stuff quickly, during the project flow.

Programming Projects:

- Developer/maintainer of Skedy schedule app for various Universities, which won the first place in our University's challenge (1st stage of National Challenge) (Kotlin, Android) (<https://youtu.be/APndWakMwtg>)
- Ported mainline Linux kernel to Xiaomi Mi Mix 3 mobile phone (https://gitlab.com/YaCodesDevelopment/linux_test/-/blob/sdm845-stable/arch/arm64/boot/dts/qcom/sdm845-xiaomi-perseus.dts).
- Creator of several Telegram bots, including Truth or Dare (https://t.me/Truth_or_dare_gamebot) and Image drawer (based on REST API and docker-based containerized backends, distributed on a few servers, which could be scaled to enormous counts in a matter of a few minutes in any environment (be it a Laptop, PC, Phone (must though be running pure Linux and be quite powerful) and even in Google Collaboratory - it could be the server for the thing)) (https://t.me/Image_from_text_gen_bot) and also a few more (https://t.me/DeepNudes_bot, https://t.me/chat_user_id_bot (my first one), ...).
- Created a custom Telegram client, which allowed saving secret media, seeing deleted messages in history and more (Currently yet working, but unmaintained. Maintenance would continue from time to time to avoid app disconnection) (Unpublished, because goes against Telegram TOS, so is limited to small range of people to be admitted to use).
- Developed Reversi game using Delphi, a dialect of Object Pascal, with both play with computer and another player modes (there should be taken into consideration, that this was my first project, written on eighths year of school,

I've used this 21 y.o. development environment only to comply with my school's IT teacher project requirements, it was my Junior Academy of Sciences project) (~~<https://github.com/YaCodesDevelopment/Reversi> private repo, contact me @ yacode.dev@gmail.com to get access~~), that's what I wanted to say, before I've realized, that an microSD card I used to store my old projects on, while being a refugee Poland - got broken into halves, and there is currently no way to recover that data. I'll search for backup copies soon, but I have a doubt that I have those, because when the war began, I was just in process of moving all that data, so I didn't have any copies yet, additionally having a backup HDD failure last summer. Anyways just believe me, it wasn't great, but I've learned a lot since then. Also that was my hard way to learn 3-2-1 backup strategy for important data)

Hacking and Security Skills:

- Found vulnerability on Samsung RTL platform ID (I-108421), gaining 800\$ for that (disclosure requested, but they seem to ignore the request so far for over a month (as of writing that edit on 25.05.2023)).
- Hacked Zoom meetings platform to gain meeting-administrator level of permissions via code injection (though I was too late to report it 9 months after, so I got my report marked duplicate).
- Hacked Kyiv school gradebook (<https://lms.ems.kyivcity.gov.ua/>), notified them to fix the issue, but they've ignored me till the website was eventually shut down.

Personal Characteristics:

- Passionate about electronics and everything connected with it.
- Quickly obtain new skills and adapt to new coding languages.
- Prefer working remotely with occasional office visits, but I won't decline to go to office on daily basis if needed.

Miscellaneous (this section is all about my history=)):

- Taught Pascal to classmates at school. After finishing the Reversi project (and yeah, I know, it does have really bad code, but though I've studied (by myself, because decisions to do literally all things done wrong in that project were driven by the teacher))
- Created customized Spigot Minecraft server with modified plugins using Java and Bash
- Hosted Telegram (MTPROTO) Proxy on cloud infrastructures during Ukraine-Telegram DC connection outage in the begging of the war (my guess is due to

network channel overload), transmitting 10's of terabytes of data, playing a crucial role for communication of anyone I know even a tiny bit.

- Participated in Ukrainian IT-Army DDoS attacks on Russian government websites and services, spamming of propagandists

Education:

- Student at State University of Information and Communication Technologies (ex. State University of Telecommunications), on Software Engineering by Technologies of Digital Development specialization.

Languages:

- Ukrainian (Native)
- English (Fluent (I didn't use translator at all to write this whole doc))
- Polish (B1)
- German (A1)
- ruzzian (z. I mean I know it well in both written and spoken, but try to avoid unless needed)