

Malyutin Roman

therealmal23@gmail.com github.com/TheRealMal gitlab.com/TheRealMal leetcode.com/TheRealMal t.me/therealmal

EDUCATION

Bauman Moscow State Technical University Specialist of Computer Security	Sep. 2020 - May 2026 <i>Moscow, Russia</i>
School 21 Multidirectional programming institution	Aug. 2023 - Nowadays <i>Moscow, Russia</i>
<div>C C++ Bash Databases Algorithms and Data Structures Soft skills DevOps</div>	

PROJECTS

Sonatype Nexus tools Internship at CryptoPro github.com/TheRealMal/nexus-manager	Aug. 2023 <i>Moscow, Russia</i>
<div>Python API Nexus Docker</div>	

- Tools for managing artifacts in Sonatype Nexus repositories
- Designed and coded using Python language, versions packed to .whl files for Linux installation & usage
- Can be configured for any nexus server, supports filtration for platforms and targets
- Supports multiple command line flags to specify script behavior

Telegram bot for reshipping service Commercial project	Jun. 2023 <i>Moscow, Russia</i>
<div>Python Telethon</div>	

- User friendly telegram interface
- Admin control panel to manage rates, orders, statuses etc.
- Automatically parses banks/exchanges to update current rates

CLI Python bot PET project github.com/TheRealMal/TheRealMalAIO	Jan. 2022 – Oct. 2022 <i>Moscow, Russia</i>
<div>Python Discord.py API CLI UI</div>	

- Imitates human behavior and generates messages based on discord channel messages.
- Automatically joins discord servers with some intermediate tasks: adding reaction to discord message, pushing buttons, sending necessary messages, solving captcha.
- API for authorization and message generation.
- Fully headless (All actions are made through requests w/o selenium etc.).
- Selling 18 keys resulted in **200.000 rub.** profit.

Browser Extension PET project github.com/TheRealMal/ExtensionTRM	Mar. 2022 – May. 2022 <i>Moscow, Russia</i>
<div>JavaScript HTML CSS API Browser Extension</div>	

- Automates user actions when waiting and buying limited items.
- Supports multiple sites and multiple profiles for user details.
- Bypasses site bot & fraud protection.
- Selling 8 keys resulted in **105.000 rub.** profit.

Web Library System Coursework github.com/TheRealMal/LibrarySystem	Dec. 2021 <i>Moscow, Russia</i>
<div>JavaScript HTML CSS API Hash Algorithms</div>	

- Web application for searching and managing books.
- Search was conducted using the Rabin-Karp algorithm and indexing.

Own services (Discord paid group) Commercial project	Jan. 2019 – Jun. 2022 <i>Moscow, Russia</i>
<div>Python REST Web Scrapping Cuncurrency JavaScript ExpressJS oAuth2</div>	

- Developed restock monitors (web scrappers) for different websites.
- Did researches to find websites bot protection bypasses, queue bypasses, etc.
- Reversed JavaScript bots and browser extensions.
- Developed WebSockets API for CLI Bot (Authorization, users notification, secure some algorithms).
- Developed web-dashboard and automatic payment system for group subscription.
- Developed first Adidas inventory checker using its website hidden API and shop tablets hidden API

SKILLS

Programming Languages:	Python Go C C++ JavaScript Bash
Databases:	PostgreSQL SQLAlchemy pandas
Technologies:	Docker Kubernetes ExpressJS Sonatype Nexus Burp Suite
Misc.:	Linux SQL HTML/CSS Grafana REST API WebSockets JSON Selenium Telethon
Spoken Languages:	Russian (native speaker) English (upper-intermediate)

INTERESTS

Backend Development	DevOps	Cryptography	Web-Security
---------------------	--------	--------------	--------------