Malyutin Roman

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

EDUCATION

Bauman Moscow State Technical University   Sep. 2020 - May 2026
Specialist of Computer Security   *Moscow, Russia*

School 21   Aug. 2023 - Nowadays
Multidirectional programming institution   *Moscow, Russia*
[C] [C++] [Bash] [Databases] [Algorithms and Data Structures] [Soft skills] [DevOps]

VK Education   Oct. 2023 - Dec. 2023
Golang web services development   *Moscow, Russia*
[Go] [Async] [REST] [Web Security] [SQL] [K8S] [Docker] [CI/CD] [Microservices]

PROJECTS

Sonatype Nexus tools   Aug. 2023
Internship at CryptoPro | github.com/TheRealMal/nexus-manager   *Moscow, Russia*
[Python] [API] [Nexus] [Docker]

- 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   Jun. 2023
Commercial project | t.me/GlitchPayBot   *Moscow, Russia*
[Python] [Telethon]

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

CLI Python bot   Jan. 2022 – Oct. 2022
PET project | github.com/TheRealMal/TheRealMalAIO   *Moscow, Russia*
[Python] [Discord.py] [API] [CLI UI]

- 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   Mar. 2022 – May. 2022
PET project | github.com/TheRealMal/ExtensionTRM   *Moscow, Russia*
[JavaScript] [HTML] [CSS] [API] [Browser Extension]

- 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   Dec. 2021
Coursework | github.com/TheRealMal/LibrarySystem   *Moscow, Russia*
[JavaScript] [HTML] [CSS] [API] [Hash Algorithms]

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

Own services (Discord paid group)   Jan. 2019 – Jun. 2022
Commercial project   *Moscow, Russia*
[Python] [REST] [Web Scraping] [Cuncurrency] [JavaScript] [ExpressJS] [OAuth2] [Web Vulnerabilities] [WebSockets]

- Developed restock monitors (web scrappers) for different websites.
- Did researches to find websites bot protection bypasses, queue bypasses, etc.
- Developed web-dashboard and automatic payment system for group subscription.
- Developed WebSockets API for CLI Bot (Authorization, users notification, secure some algorithms).

SKILLS

Programming Languages: [Python] [Go] [C] [C++] [JavaScript] [Bash]
Databases: [PostgreSQL] [NoSQL] [SQLalchemy] [pandas]
Technologies: [Kafka] [Docker] [Kubernetes] [FastAPI] [ExpressJS] [Sonatype Nexus] [Burp Suite] [Charles]
Misc.: [Linux] [SQL] [HTML/CSS] [Grafana] [REST API] [WebSockets] [JSON] [HTTP] [DNS] [TCP/UDP]
Spoken Languages: [Russian (native speaker)] [English (upper-intermediate)]

INTERESTS

[Backend Development] [DevOps] [Cryptography] [Web-Security]