Malyutin Roman

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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   *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: Docker   Kubernetes   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