Malyutin Roman

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

SKILLS

Programming Languages: Go Python C C++ JavaScript Bash

Databases: PostgreSQL Redis Clickhouse pandas

Technologies: Docker Podman Kafka Kubernetes Jenkins Gitlab CI Sonatype Nexus Postman ExpressJS GIN

Misc.: Linux SQL HTML/CSS REST API GraphQL WebSockets JSON HTTP DNS TCP/UDP

Spoken Languages: Russian (native speaker) English (upper-intermediate)

Interests: Backend Development DevOps Web-Security

EXPERIENCE

Go Developer & DevSecOps   Apr. 2023 - Nowadays
Astra, SAST Department   *Moscow, Russia*
- Utility tools development
- Golang applications vulnerabilities prevention.
- Gitlab CI pipelines development.
- Projects containerization.

EDUCATION

Bauman Moscow State Technical University   Expected 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 | Certificate   *Moscow, Russia*
 Go Async REST Web Security SQL K8S Docker CI/CD

PROJECTS

Remote nmap scanner   Oct. 2023
PET project | github.com/TheRealMal/golang-people   *Moscow, Russia*
 Go gRPC protobuf nmap
- Applications runs nmap with vulners.nse script remotely.
- Server receives nmap calls via gRPC API with target address & port.
- Client receives CVSS score & CVE name for target ports.

Data enricher service   Oct. 2023
PET project | github.com/TheRealMal/golang-people   *Moscow, Russia*
 Go PostgreSQL Kafka Redis REST GraphQL GIN
- Application listens Kafka queue for new people data and enriches w/ data from public APIs.
- Adds enriched data to PostgreSQL database
- Redirects errors to another Kafka topic.
- Has REST API and GraphQL to manage database.
- Uses Redis to cache information.

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.).

Browser Extension

PET project | github.com/TheRealMal/ExtensionTRM

Mar. 2022 – May. 2022

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.

Own services (Discord paid group)

Commercial project

Jan. 2019 – Jun. 2022

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).