Malyutin Roman

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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` `Microservices`

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` `PostgreSQL` `MySQL` `MongoDB` `K8S` `Docker` `CI/CD` `Microservices`

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

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.

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).