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

DevSecOps   Nov. 2023 - Nowadays
Astra, SAST Department   *Moscow, Russia*
- Golang applications vulnerabilities prevention.
- SAST integration via Gitlab CI/Jenkins.
- Utility tools development (Golang/Python).

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).