Malyutin Roman

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SKILLS

Programming Languages: Python | Go | C | C++ | JavaScript | Bash

Databases: PostgreSQL | Redis | SQLalchemy | pandas

Technologies: Kafka | Docker | Kubernetes | FastAPI | ExpressJS | GIN | Sonatype Nexus | Burp Suite | Postman

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 | Cryptography | Web-Security

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

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.).
- 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.

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).