# Malyutin Roman

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## SKILLS

**Programming Languages:**  `Go`  `Python`  `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`  `OWASP TOP 10`  `WSTG`

## EXPERIENCE

**DevSecOps**                                                                              Nov. 2023 - Nowadays
CG 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`  `SQL`  `K8S`  `Docker`  `CI/CD`

## PROJECTS

**Remote nmap scanner**                                                                   Oct. 2023
PET project | [github.com/TheRealMal/golang-people](https://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](https://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](https://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](https://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](https://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).