

# 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 OWASP TOP 10 WSTG

## EXPERIENCE

### DevSecOps

CG Astra, SAST Department

Nov. 2023 - Nowadays

Moscow, Russia

## EDUCATION

### Bauman Moscow State Technical University

Specialist of Computer Security

Expected 2026

Moscow, Russia

### School 21

Multidirectional programming institution

Aug. 2023 - Nowadays

Moscow, Russia

C C++ Bash Databases Algorithms and Data Structures Soft skills DevOps

### VK Education

Golang web services development | [Certificate](#)

Oct. 2023 - Dec. 2023

Moscow, Russia

Go Async REST Web Security SQL K8S Docker CI/CD

## PROJECTS

### Remote nmap scanner

PET project | [github.com/TheRealMal/golang-people](https://github.com/TheRealMal/golang-people)

Oct. 2023

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

PET project | [github.com/TheRealMal/golang-people](https://github.com/TheRealMal/golang-people)

Oct. 2023

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

Internship at CryptoPro | [github.com/TheRealMal/nexus-manager](https://github.com/TheRealMal/nexus-manager)

Aug. 2023

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

Commercial project | [t.me/GlitchPayBot](https://t.me/GlitchPayBot)

Jun. 2023

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

PET project | [github.com/TheRealMal/TheRealMalAIO](https://github.com/TheRealMal/TheRealMalAIO)

Jan. 2022 – Oct. 2022

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  
Moscow, Russia

PET project | [github.com/TheRealMal/ExtensionTRM](https://github.com/TheRealMal/ExtensionTRM)

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  
Moscow, Russia

Commercial project

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).