

# Malyutin Roman

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## EDUCATION

<b>Bauman Moscow State Technical University</b> Specialist of Computer Security	Sep. 2020 - May 2026 <i>Moscow, Russia</i>
<b>School 21</b> Multidirectional programming institution	Aug. 2023 - Nowadays <i>Moscow, Russia</i>
<div>C C++ Bash Databases Algorithms and Data Structures Soft skills DevOps</div>	
<b>VK Education</b> Golang web services development	Oct. 2023 - Dec. 2023 <i>Moscow, Russia</i>
<div>Go Async REST Web Security SQL K8S Docker CI/CD Microservices</div>	

## PROJECTS

<b>Sonatype Nexus tools</b> Internship at CryptoPro   <a href="https://github.com/TheRealMal/nexus-manager">github.com/TheRealMal/nexus-manager</a>	Aug. 2023 <i>Moscow, Russia</i>
<div>Python API Nexus Docker</div> <ul style="list-style-type: none"><li>Tools for managing artifacts in Sonatype Nexus repositories</li><li>Designed and coded using Python language, versions packed to .whl files for Linux installation &amp; usage</li><li>Can be configured for any nexus server, supports filtration for platforms and targets</li><li>Supports multiple command line flags to specify script behavior</li></ul>	
<b>Telegram bot for reshipping service</b> Commercial project	Jun. 2023 <i>Moscow, Russia</i>
<div>Python Telethon</div> <ul style="list-style-type: none"><li>User friendly telegram interface</li><li>Admin control panel to manage rates, orders, statuses etc.</li><li>Automatically parses banks/exchanges to update current rates</li></ul>	
<b>CLI Python bot</b> PET project   <a href="https://github.com/TheRealMal/TheRealMalAIO">github.com/TheRealMal/TheRealMalAIO</a>	Jan. 2022 – Oct. 2022 <i>Moscow, Russia</i>
<div>Python Discord.py API CLI UI</div> <ul style="list-style-type: none"><li>Imitates human behavior and generates messages based on discord channel messages.</li><li>Automatically joins discord servers with some intermediate tasks: adding reaction to discord message, pushing buttons, sending necessary messages, solving captcha.</li><li>API for authorization and message generation.</li><li>Fully headless (All actions are made through requests w/o selenium etc.).</li><li>Selling 18 keys resulted in <b>200.000 rub.</b> profit.</li></ul>	
<b>Browser Extension</b> PET project   <a href="https://github.com/TheRealMal/ExtensionTRM">github.com/TheRealMal/ExtensionTRM</a>	Mar. 2022 – May. 2022 <i>Moscow, Russia</i>
<div>JavaScript HTML CSS API Browser Extension</div> <ul style="list-style-type: none"><li>Automates user actions when waiting and buying limited items.</li><li>Supports multiple sites and multiple profiles for user details.</li><li>Bypasses site bot &amp; fraud protection.</li><li>Selling 8 keys resulted in <b>105.000 rub.</b> profit.</li></ul>	
<b>Web Library System</b> Coursework   <a href="https://github.com/TheRealMal/LibrarySystem">github.com/TheRealMal/LibrarySystem</a>	Dec. 2021 <i>Moscow, Russia</i>
<div>JavaScript HTML CSS API Hash Algorithms</div> <ul style="list-style-type: none"><li>Web application for searching and managing books.</li><li>Search was conducted using the Rabin-Karp algorithm and indexing.</li></ul>	
<b>Own services (Discord paid group)</b> Commercial project	Jan. 2019 – Jun. 2022 <i>Moscow, Russia</i>
<div>Python REST Web Scraping Cuncurrency JavaScript ExpressJS OAuth2 Web Vulnerabilities WebSockets</div> <ul style="list-style-type: none"><li>Developed restock monitors (web scrappers) for different websites.</li><li>Did researches to find websites bot protection bypasses, queue bypasses, etc.</li><li>Developed web-dashboard and automatic payment system for group subscription.</li><li>Developed WebSockets API for CLI Bot (Authorization, users notification, secure some algorithms).</li></ul>	

## SKILLS

<b>Programming Languages:</b>	Python Go C C++ JavaScript Bash
<b>Databases:</b>	PostgreSQL SQLAlchemy pandas
<b>Technologies:</b>	Docker Kubernetes ExpressJS Sonatype Nexus Burp Suite Charles
<b>Misc.:</b>	Linux SQL HTML/CSS Grafana REST API WebSockets JSON HTTP DNS TCP/UDP
<b>Spoken Languages:</b>	Russian (native speaker) English (upper-intermediate)

## INTERESTS

Backend Development	DevOps	Cryptography	Web-Security
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