ALEXANDR ROMANOV

Contact Info:

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downitch.github.io

Current Location:

Mannheim, Germany

Languages:

- English (C1)
- German (C1)
- Russian (Native)
- Javascript
- PHP
- Golang
- Rust
- Python
- C++

Skills:

- Penetration Testing
- Reconnaissance
- Exploit Writing
- Threat Modeling
- SAST
- Methodology Writing
- Risk Mitigation
- Network Security
- Team Leading
- Blackbox/Whitebox Testing
- Security Assessments of AWS, AD, Azure, etc.

ABOUT ME

I'm a passionate programmer and cybersecurity professional with a strong foundation in privacy, secure software development, and ethical hacking. With almost a decade of experience in software engineering and several years in cybersecurity, my focus has always been on building secure, resilient, and privacy-preserving systems.

Throughout my career, I've held roles ranging from backend developer to team lead, where I was responsible for planning, task management, and delivering secure, high-quality products. This hands-on leadership experience sharpened my ability to translate security principles into practical development workflows.

I thrive on tackling complex security challenges and excel at communicating findings in a clear, actionable manner to both technical and non-technical stakeholders. Outside of work, I actively participate in bug bounty platforms to stay sharp and continuously evolve alongside the threat landscape.

EXPERIENCE

Security Engineer, Mayflower — Jan, 2025-Present

As a Security Engineer at Mayflower, a service provider supporting diverse client organizations, I deliver comprehensive cybersecurity solutions tailored to varying business environments. My core responsibilities include:

- Performing **network security audits** and implementing hardening strategies to minimize risk exposure.
  Conducting **penetration testing** across web, network, and internal systems to identify and exploit security weaknesses.
  Leading **security assessments with client employees**, including awareness training and phishing simulations.
  Developing and maintaining **secure software development methodologies**, incorporating security best practices into SDLC and CI/CD pipelines.
  Executing detailed **reconnaissance and threat modeling** to guide proactive defense strategies.
  Contributing to **Static Application Security Testing (SAST)** efforts by integrating automated scanning tools and triaging code vulnerabilities.

Cybersecurity Researcher, Hackerone — 2022-2025

As a Cybersecurity Researcher I was conducting penetration tests in different products that were hosting their bug bounty programs at HackerOne. My interests during this time were mainly focused on Web-App penetration testing, Mobile Application penetration testing, Reconnaissance, Network monitoring and recon. I've conducted multiple penetration tests from recon to complete report on the infrastructure of the product, implementing methodologies that are aligned with OWASP guidelines. My impact to the industry made several companies more aware of their security situation and helped them enhance in fields they were lacking.

Lead Software Engineer, CIPHER LLC; USA — 2017-2022

During my time at CIPHER I was tasked with leading a development and R&D departments, creating a privacy-oriented solution for mobile communications over p2p networks. I have conducted researches in fields of cybersecurity, network security, protocol communication, TOR adaptation and integration. My experience at CIPHER was deeply focused on securing the code, implementing best practices in both development and production. I was conducting regular SAST and CI/CD code and workflow analysis, ensuring the solutions provided by the company are robust and secure.

EDUCATION

University of Wollongong, Australia — BCompSc (Cybersecurity), 2025

Graduated with a strong focus on cybersecurity, network defense, and secure software development. Led multiple student projects, including the design and implementation of a custom IDS/IPS. Gained hands-on experience in threat detection, system hardening, and team leadership through collaborative, real-world-inspired challenges.

CERTIFICATIONS

Certified Bug Bounty Hunter (CBBH) @ HTB — 2023