

SUMMARY OF QUALIFICATION:

As a Security Analyst and Penetration Tester, I have a background in Full-Stack Ruby development and a passion for ethical hacking. Throughout my 17-year IT career, I have dedicated over ten years to web development. More recently, I have focused on expanding my expertise in penetration testing, red-teaming, and digital forensics to transition to a career in Cyber Security.

During my 9-year tenure at a large Shared and Cloud Hosting company, I worked in various departments and positions, gaining extensive experience in troubleshooting, debugging, and fixing code written by other developers and detecting and resolving security flaws and bugs. Following that, I spent another five years working as a Full-Stack Ruby Developer for multiple US and European companies. I also designed and developed intentionally vulnerable applications for CTF hacking games, providing a platform for security enthusiasts to practice and enhance their skills.

In addition to the above, my previous experience includes:

- Web and Mobile Application Security Assessments.
- AWS, EKS, and Kubernetes Security Audits.
- macOS and Windows Digital Forensics.
- writing tools and scripts using Python, Ruby, Bash, Go, C#, C++
- Work in the core team of NoNameCon 2021 - the practical cybersecurity conference.
- Preparing tasks and participating in various CTF security games as a game master.
- Work with legacy code, debugging, refactoring and optimizing web-applications.
- Work as a Team Lead within 4 projects at a time leading both local and remote team members. Mentoring and supervising junior and middle ruby/js developers.
- Mentoring tech support agents and supervisors for a cloud hosting company.

PERSONAL INFORMATION:

Languages: English – upper-intermediate level. Ukrainian – native.

EDUCATION**Zaporizhzhya National University of Ukraine**

Specialty: Economic Cybernetics;

Degree: Mathematician, Economist. Bachelor Degree '07

SUMMARY OF EXPERIENCE:LinkedIn: <https://linkedin.com/in/rrott> GitHub: <https://github.com/rrott> Portfolio: <https://rrott.com>

Company:	Berezha Security Group	Nov 2019 – Present
Roles:	https://bsg.tech BSG is a cybersecurity firm focused on application security, penetration testing, information security consulting, and professional training.	
Security Analyst and Penetration Tester	<ul style="list-style-type: none">- Web and Mobile Application Security Assessments.- Cloud and Kubernetes Security Audits.- macOS and Windows Digital Forensics.- Participated in the Threat Modeling sessions with Threat Dragon and Elevation of Privilege.- Developed an internal platform that simplifies penetration tests, automates report generation, and integrates external data sources. Implemented the whole architecture in AWS.	
Company:	CoinLoan	May 2021 - Nov 2021
Roles:	https://coinloan.io/ Crypto Platform to manage cryptocurrencies, stablecoins, and fiat.	
Security Engineer	<ul style="list-style-type: none">- Was working on preparing the company for a SOC 2 audit.- Conducted regular Vulnerability Scans. Configured CI/CD and developed automated tools for scanning source code, docker containers, and internal infrastructure.- Provided internal Cloud(AWS), Web and Mobile Application pentests.	
Company:	Cater2.me	Oct 2017 – Feb 2021
Project/Roles:	Cater2.me An US catering company	
Full-stack developer	<ul style="list-style-type: none">- Conducted internal penetration tests, including both black-box and white-box testing. Communicated with the QAs to explain the identified bugs and provided them with the necessary guidance on how to integrate Burp Suite into their current QA testing workflow.- Maintained website and admin console.- As a part of a distributed team developed several internal applications, applications for clients, vendors and operators.	
Company:	Sphere Software(outsourcing company)	Mar 2016 – Oct 2017
Project:	Groupon - US global e-commerce marketplace connecting subscribers with local merchants	

Back-end developer	<ul style="list-style-type: none"> - Worked as a part of a big distributed team, implementing back-end entities and business logic for Groupon's notification engine that handled SMS communication for Online Booking.
Project:	Chairlift Expense - internal project for handling company's expenses
Team Lead, Full-stack developer	<ul style="list-style-type: none"> - Held planning sessions and architecture discussions. - Worked on estimating and allocating resources, writing stories, decision-making and negotiating, communicating with the project owner, and providing code reviews.
Project:	Dabble - Curated platform to discover and share skills
Full-stack developer	<ul style="list-style-type: none"> - Re-implemented SSO(Single sign-on) service. - Worked on both front-end and back-end parts.
Project:	Enova - financial technology company that provides online financial services through the AI and machine learning-powered platform.
Team Lead, Full-stack developer	<ul style="list-style-type: none"> - Worked on a large enterprise project in the financial sphere, led the local team, estimated and allocated resources. - Held code reviews, refactored/rewrote legacy code.
Company:	Ecommerce LLC Sep 2006 – Oct 2015
Project/Roles:	CloudByIX.com - Cloud hosting platform
IT department (Sept 2012 - Oct 2015) - Team Lead - Middle developer - Junior developer	<ul style="list-style-type: none"> - Provided several internal penetration tests, held lectures and workshops about cybersecurity best practices. - Initiated opening companies own public Bug Bounty program. - Supervised the whole life cycle of 4 projects, starting from initial proposal and requirements gathering, finishing execution and release planning. - Mentored and supervised the UI Team of 5 developers. - Developed OpenSource libraries. Maintained internal ruby gems.
Projects:	IxWebhosting.com HostExcellence.com Shared and Cloud web hosting services.
Tech Support. (Sept 2006 - Sept 2012) - Assistant Technical Manager - Supervisor - Tech Support Agent	<ul style="list-style-type: none"> - Mentored and led 1-2 new supervisors each year, taught more than 50 tech support agents. - Interacted with ~50 customers each day, improving their experience by fixing their websites and providing technical support. - Rewrote the onboarding process for newbies in the tech support department. Implemented internal education workflows, policies and wiki system.

VOLUNTEERISM

- I am a member of NoNameCon 2021 core team - the Ukrainian community-built practical cybersecurity conference.
- My interest in ethical hacking has resulted in dozens of found and reported security issues in such services as rubygems.org, ZeroMail, tagged.com, opening CVE-2022-25854
- I took part in a CTF as a Game Master and designed several vulnerable applications for UISGCon #10, #11, #12 (2014-2016) and "NoNameCon 2018" cybersecurity conferences.
- I was a team member of the UA30CTF Ukrainian student cybersecurity CTF competition held by SSSCIP, The State Service for Special Communications and Information Protection of Ukraine.
- Prepared a CTF game for «HackIT-2015» - the Cybersecurity Olympiad and International forum «Cybersecurity: Ukraine and the world»
- Created websites and time tracking app for the "OWASP Ukraine 2019" and "NoNameCon 2019" conferences.
- Held "Ruby for pentesters" presentation on the very first OWASP Kyiv Chapter meetup and on the 11th Ruby Meditation meetup.
- Had a "Ruby Security Tips" talk on the OWASP Kyiv Chapter meetup.
- Partnered with 4 friends of mine to plan and execute several Front-End Meetups and the very first Hackathon in Zaporizhzhya city.
- Contributed to open-source projects, e.g.: react-toolbox gitlab-ce phony site_prism.vcr