

**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.
- IoT and Embedded Systems Security Analysis.
- 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 four 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 – C2 Proficient(according to the CEFR)      Ukrainian – native.

**EDUCATION****Zaporizhzhya National University of Ukraine**

Specialty:      Economic Cybernetics

Degree:      Mathematician, Economist. Bachelor Degree 2007

## SUMMARY OF EXPERIENCE:

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

Company:	Berezhna Security Group	Nov 2019 – Present
Roles:	<a href="https://bsg.tech">https://bsg.tech</a> BSG is a cybersecurity firm focused on application security, penetration testing, information security consulting, and professional training.	
<b>Security Analyst and Penetration Tester (2021 - Present)</b>  <b>Software Engineer (2019 - 2021) part-time</b>	<ul style="list-style-type: none"> <li>- Web and Mobile Application Security Assessments.</li> <li>- Cloud and Kubernetes Security Audits.</li> <li>- CI/CD Security Assessments.</li> <li>- Embedded Systems Security Analysis.</li> <li>- MacOS and Windows Digital Forensics.</li> <li>- Business Continuity Disaster Recovery(BCDR) Plan preparation.</li> <li>- Threat Modeling using "Threat Dragon" and "Elevation of Privilege".</li> <li>- Architected and developed an internal security assessment platform designed to streamline penetration testing processes, automate comprehensive report generation, and seamlessly integrate with external data sources to enhance cybersecurity operations</li> </ul>	
Company:	CoinLoan	May 2021 - Nov 2021
Roles:	<a href="https://coinloan.io/">https://coinloan.io/</a> Crypto Platform to manage cryptocurrencies, stablecoins, and fiat.	
Security Engineer	<ul style="list-style-type: none"> <li>- Focused on preparing the organization for a SOC 2 compliance audit.</li> <li>- Conducted regular Vulnerability Scans. Configured CI/CD and developed automated tools for scanning and analyzing source code, docker containers, and internal infrastructure.</li> <li>- Provided internal Cloud(AWS), Web, and Mobile Application Security Assessments.</li> </ul>	
Company:	Cater2.me	Oct 2017 – Feb 2021
Project/Roles:	<a href="https://cater2.me">Cater2.me</a> A US catering company	
Full-stack developer	<ul style="list-style-type: none"> <li>- 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.</li> <li>- Maintained website and admin console.</li> <li>- As a part of a distributed team, I developed several internal tools and applications for clients, vendors, and operators.</li> </ul>	

<b>Company:</b>	<b>Sphere Software(outsourcing company)</b> <b>Mar 2016 – Oct 2017</b>
<b>Project:</b>	<a href="#">Groupon</a> - US global e-commerce marketplace connecting subscribers with local merchants
<b>Back-end developer</b>	<ul style="list-style-type: none"> <li>- 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.</li> </ul>
<b>Project:</b>	<a href="#">Chairlift Expense</a> - internal project for handling the company's expenses
<b>Team Lead, Full-stack developer</b>	<ul style="list-style-type: none"> <li>- Held planning sessions and architecture discussions.</li> <li>- Worked on estimating and allocating resources, writing stories, decision-making and negotiating, communicating with the project owner, and providing code reviews.</li> </ul>
<b>Project:</b>	<a href="#">Dabble</a> - A curated platform to discover and share skills
<b>Full-stack developer</b>	<ul style="list-style-type: none"> <li>- Re-implemented SSO(Single sign-on) service.</li> <li>- Worked on both front-end and back-end parts.</li> </ul>
<b>Project:</b>	<a href="#">Enova</a> - a financial technology company that provides online financial services through the AI and machine learning-powered platform.
<b>Team Lead, Full-stack developer</b>	<ul style="list-style-type: none"> <li>- Worked on a large enterprise project in the financial sphere, led the local team, estimated and allocated resources.</li> <li>- Held code reviews and refactored/rewrote legacy code.</li> </ul>
<b>Company:</b>	<b>Ecommerce LLC</b> <b>Sep 2006 – Oct 2015</b>
<b>Project/Roles:</b>	<a href="#">CloudByIX.com</a> - Cloud hosting platform
IT department (Sept 2012 - Oct 2015)  <b>- Team Lead</b> <b>- Middle developer</b> <b>- Junior developer</b>	<ul style="list-style-type: none"> <li>- Provided several internal penetration tests and held lectures and workshops about cybersecurity best practices.</li> <li>- Initiated opening the company's own public Bug Bounty program.</li> <li>- Supervised the whole life cycle of 4 projects, starting from initial proposal and requirements gathering, finishing execution, and release planning.</li> <li>- Mentored and supervised the UI Team of 5 developers.</li> <li>- Developed OpenSource libraries. Maintained internal ruby gems.</li> </ul>
<b>Projects:</b>	<a href="#">IxWebhosting.com</a> <a href="#">HostExcellence.com</a> Shared and Cloud web hosting services.
Tech Support. (Sept 2006 - Sept 2012)  <b>- Assistant Technical Manager</b>	<ul style="list-style-type: none"> <li>- Mentored and led 1-2 new supervisors each year and taught more than 50 tech support agents.</li> <li>- Interacted with ~50 customers each day, improving their experience by fixing their websites and providing technical support.</li> </ul>

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**- Supervisor**  
**- Tech Support Agent**

- Rewrote the onboarding process for newbies in the tech support department. Implemented internal education workflows, policies, and a wiki system.
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**VOLUNTEERISM**

- I am a member of the 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, etc.
- I took part in CTFs 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 apps for the "OWASP Ukraine 2019" and "NoNameCon 2019" conferences.
- Held "Ruby for pen-testers" presentation on the very first OWASP Kyiv Chapter meetup and on the 11th Ruby Meditation meetup.
- Had a "Ruby Security Tips" talk at 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