| **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**](https://bsg.tech/about-bsg/)BSG is a cybersecurity firm focused on application security, penetration testing, information security consulting, and professional training. |
| **Security Analyst and Penetration Tester** | * 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/**](https://coinloan.io/)Crypto Platform to manage cryptocurrencies, stablecoins, and fiat. |
| **Security Engineer** | * 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**](https://cater2.me)An US catering company |
| **Full-stack developer** | * 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**](https://groupon.com) - US global e-commerce marketplace connecting subscribers with local merchants  |
| **Back-end developer** | * 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**](https://chairlift.io) - internal project for handling company's expenses |
| **Team Lead,****Full-stack developer** | * 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**](https://dabble.co) - Curated platform to discover and share skills |
| **Full-stack developer** | * Re-implemented SSO(Single sign-on) service.
* Worked on both front-end and back-end parts.
 |
| **Project:** | [**Enova**](https://www.enova.com/) - financial technology company that provides online financial services through the AI and machine learning-powered platform. |
| **Team Lead,****Full-stack developer**  | * 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**](https://www.cloudbyix.com/) - Cloud hosting platform |
| IT department(Sept 2012 - Oct 2015)**- Team Lead** **- Middle developer****- Junior developer** | * 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**](https://ixwebhosting.com) [**HostExcellence.com**](https://hostexcellence.com)Shared and Cloud web hosting services. |
| Tech Support.(Sept 2006 - Sept 2012)**- Assistant Technical Manager****- Supervisor****- Tech Support Agent** | * 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