| **SUMMARY OF QUALIFICATION:** |
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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:** |
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**Languages:** English – C2 Proficient(according to the CEFR) Ukrainian – native.

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

Specialty: Economic Cybernetics

Degree: Mathematician, Economist. Bachelor Degree 2007

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

| **Company:** | **Berezha Security Group Nov 2019 – Present** | | | |
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| **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**  **(2021 - Present)**  **Software Engineer**  **(2019 - 2021) part-time** | * Web and Mobile Application Security Assessments. * Cloud and Kubernetes Security Audits. * CI/CD Security Assessments. * Embedded Systems Security Analysis. * MacOS and Windows Digital Forensics. * Business Continuity Disaster Recovery(BCDR) Plan preparation. * Threat Modeling using “Threat Dragon” and “Elevation of Privilege”. * 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 | | | |
| **Company:** | **CoinLoan May 2021 - Nov 2021** | | | |
| **Roles:** | [**https://coinloan.io/**](https://coinloan.io/)  Crypto Platform to manage cryptocurrencies, stablecoins, and fiat. | | | |
| **Security Engineer** | * Focused on preparing the organization for a SOC 2 compliance audit. * Conducted regular Vulnerability Scans. Configured CI/CD and developed automated tools for scanning and analyzing source code, docker containers, and internal infrastructure. * Provided internal Cloud(AWS), Web, and Mobile Application Security Assessments. | | | |
| **Company:** | **Cater2.me Oct 2017 – Feb 2021** | | | |
| **Project/Roles:** | [**Cater2.me**](https://cater2.me)  A 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, I developed several internal tools and 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 the 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) - A 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/) - a 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 and 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 and held lectures and workshops about cybersecurity best practices. * Initiated opening the company's 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 and 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 a wiki system. | | | |

| **VOLUNTEERISM** |
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* 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