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| **SUMMARY OF QUALIFICATION:** |

I'm a Full-Stack Ruby developer with a strong interest in ethical hacking, penetration testing and vulnerability analysis. I have 15 years of IT experience and 8 years experience dedicated to web-development and security auditing of web applications.

Over the 9 years I occupied different positions in different departments in a big Shared and Cloud Hosting company: 5 of them were in the Tech Support department and 4 in IT as a Ruby/Rails developer. There I've gained experience dealing with someone else's code, debugging it, as well as with catching security flaws and bugs. For the last 5 years I've been working as a full-stack ruby developer, both remotely and on-side. My previous experience also includes:

* Work in the core team of NoNameCon 2021 - the practical cybersecurity conference.
* Supervising the whole web projects’ life cycles, starting from initial proposal and requirements gathering finishing execution and release planning.
* Security researching and penetration testing, preparing reports and fixing security issues.
* 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. Collaborating with remote team members from Romania, India and the USA.
* Mentoring tech support agents and supervisors for a cloud hosting company.

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| **PERSONAL INFORMATION:** |

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

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

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| **SKILLS:** |

These are only a few technologies that I use daily while there are many interesting libraries in the Ruby and JS worlds that I used in various projects or for self-education:

**Ruby, JavaScript/TypeScript/CoffeeScript** - as the main languages I use.

**Ruby on Rails, React/Redux, Svelte, Electron, AWS, etc.**

Experience in scripting languages including **Python and Bash**Experience with security toolkits such as **Metasploit, and Burp Suite Pro.**

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| **EDUCATION** |

**Zaporizhzhya National University of Ukraine**

Specialty: Economic Cybernetics;

Degree: Mathematician, Economist. Bachelor Degree ‘07

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| **SUMMARY OF EXPERIENCE:** |

Detailed portfolio can be also found at: <https://rrott.com>

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| **Company:** | **Berezha Security Group**(part-time, remote) **Nov 2019 – Present** | | | |
| **Project:** | [**Dynamic Application Red Team Simulation**](https://bsg.tech/) - a platform that simplifies penetration tests, automates report generation, and integrates external data sources. | | | |
| **Full-stack developer** | * Implemented the whole architecture, starting from the application design in the AWS cloud stack, configuring CI/CD, creating API services and UI applications, finishing implementing own web-design and writing the documentations. * Applied fixes and security updates after the internal pentests. * Participated in the Threat Modeling sessions with **Threat Dragon** and **Elevation of Privilege.** | | | |
| **Company:** | **Cater2.me Oct 2017 – Feb 2021** | | | |
| **Project:** | [**Cater2.me**](https://cater2.me) **- website and services.**  Customized catering solutions for companies and distributed teams | | | |
| **Full-stack developer** | * Maintained website, several internal applications, applications for clients, vendors and operators, maintained admin console. * Prepared and held internal penetration test(both, black-box and white-box). Communicated with the QAs to explain to them the bugs and provide the essentials of how to use Burp Suite within current QA testing workflow. | | | |
| **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 in the community. | | | |
| **Full-stack developer** | * Worked on both front-end and back-end parts. * Re-implemented SSO(Single sign-on) service. | | | |
| **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, lead the local team, estimated and allocated resources. Held code reviews, refactored/rewrote legacy code. | | | |
| **Company:** | **Ecommerce LLC Sep 2006 – Oct 2015** | | | |
| **Projects:** | [**CloudByIX.com**](https://www.cloudbyix.com/)  Cloud hosting platform and its control panel. | | | |
| 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 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. * Created OSS JS 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 onboarding process for newbies in the tech support department. Implemented internal education workflows, policies and wiki system. | | | |

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| **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, ixWebhosting, cater2.me, etc.
* 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.
* 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.
* I am working on my own open source pet-project on Electron(using React and TypeScript).
* 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