

## 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-developmen; have experience with 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.

## PERSONAL INFORMATION:

LinkedIn: <https://linkedin.com/in/rrott> GitHub: <https://github.com/rrott> Portfolio: <https://rrott.com>  
**Languages:** English – upper-intermediate level. Ukrainian – native.

## 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.**

## EDUCATION

### Zaporizhzhya National University of Ukraine

Specialty: Economic Cybernetics;

Degree: Mathematician, Economist. Bachelor Degree '07

## SUMMARY OF EXPERIENCE:

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

<b>Company:</b>	<b>Berezha Security Group</b> (part-time, remote) <b>Nov 2019 – Present</b>
<b>Project:</b>	<a href="#">Dynamic Application Red Team Simulation</a> - a platform that simplifies penetration tests, automates report generation, and integrates external data sources.
<b>Full-stack developer</b>	<ul style="list-style-type: none"> <li>- 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.</li> <li>- Applied fixes and security updates after the internal pentests.</li> <li>- Participated in the Threat Modeling sessions with <b>Threat Dragon</b> and <b>Elevation of Privilege</b>.</li> </ul>
<b>Company:</b>	<b>Cater2.me</b> <b>Oct 2017 – Feb 2021</b>
<b>Project:</b>	<a href="#">Cater2.me</a> - <b>website and services.</b> Customized catering solutions for companies and distributed teams
<b>Full-stack developer</b>	<ul style="list-style-type: none"> <li>- Maintained website, several internal applications, applications for clients, vendors and operators, maintained admin console.</li> <li>- 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.</li> </ul>
<b>Company:</b>	<b>Sphere Software</b> (outsourcing company) <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 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> - Curated platform to discover and share skills in the community.
<b>Full-stack developer</b>	<ul style="list-style-type: none"> <li>- Worked on both front-end and back-end parts.</li> <li>- Re-implemented SSO(Single sign-on) service.</li> </ul>

<b>Project:</b>	<a href="#">Enova</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, lead the local team, estimated and allocated resources. Held code reviews, refactored/rewrote legacy code.</li> </ul>	
<b>Company:</b>	<b>Ecommerce LLC</b>	<b>Sep 2006 – Oct 2015</b>
<b>Projects:</b>	<a href="#">CloudByIX.com</a> Cloud hosting platform and its control panel.	
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, held lectures and workshops about cybersecurity best practices. Initiated opening 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>- Created OSS JS 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> - <b>Supervisor,</b> - <b>Tech Support Agent</b>	<ul style="list-style-type: none"> <li>- Mentored and led 1-2 new supervisors each year, 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> <li>- Rewrote onboarding process for newbies in the tech support department. Implemented internal education workflows, policies and wiki system.</li> </ul>	

**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