

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.

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>

Company:	Berezhna Security Group(part-time, remote)	Nov 2019 – Present
Project:	Dynamic Application Red Team Simulation - a platform that simplifies penetration tests, automates report generation, and integrates external data sources.	
Full-stack developer	<ul style="list-style-type: none"> - 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 - website and services. Customized catering solutions for companies and distributed teams	
Full-stack developer	<ul style="list-style-type: none"> - 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 - US global e-commerce marketplace connecting subscribers with local merchants	
Back-end developer	<ul style="list-style-type: none"> - 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 - internal project for handling company's expenses	
Team Lead, Full-stack developer	<ul style="list-style-type: none"> - 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 - Curated platform to discover and share skills in the community.	
Full-stack developer	<ul style="list-style-type: none"> - Worked on both front-end and back-end parts. - Re-implemented SSO(Single sign-on) service. 	

Project:	Enova - financial technology company that provides online financial services through the AI and machine learning-powered platform.
Team Lead, Full-stack developer	<ul style="list-style-type: none"> - 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 Cloud hosting platform and its control panel.
IT department (Sept 2012 – Oct 2015) - Team Lead - Middle developer - Junior developer	<ul style="list-style-type: none"> - 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 HostExcellence.com Shared and Cloud web hosting services.
Tech Support. (Sept 2006 – Sept 2012) - Assistant Technical Manager, - Supervisor, - Tech Support Agent	<ul style="list-style-type: none"> - 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.

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