Roman Rott

Ruby/Ruby On Rails, JavaScript/ES6 Full-Stack developer.   Location: Kyiv, Ukraine
Contact phone number: +380-50-832-7234 Skype: roman.rott   roman@rrott.com

SUMMARY OF QUALIFICATION:

Front-end/Back-end developer with 10+ years of IT experience and 5+ years experience dedicated to web-development and security auditing of web applications. Over the 9 years I was working on a various positions and different departments in a big Cloud and Shared Hosting company: 5 of them were in Tech Support(Customer Relation) department and 4 in IT as a Ruby/Rails developer. Now I am a Software Engineer at Sphere Inc. My previous experience includes:

- Work with the project managers to plan, estimate and allocate resources to projects and tasks. Supervising the whole projects' life cycles, starting from initial proposal and requirements gathering finishing execution and release planning.
- Work as a Team Lead within more than 5 projects 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.
- Work with legacy code, refactoring and optimizing web-applications.
- Security researching and legal penetration testing.

PERSONAL INFORMATION:

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

SKILLS:

These are only a few technologies that I use on a daily basis while there are a lot of interesting libraries in the Ruby and JS worlds that I used for self-development:

Ruby, JavaScript/ES6/CoffeeScript   - as main languages.
Ruby on Rails, Sinatra/Padrino   - as Ruby frameworks.
React/Redux   - as JS frameworks for creating SPA
Rspec/Capybara, Jasmine   - as test frameworks.

Familiar with: ECMAScript 6, JS, JQuery, Node.js, Trailblazer, Grape, Rabl, Haml, SASS, HTML5, Redis, Docker, Chef, Capistrano, Bash, Burp, etc.

EDUCATION

Zaporizhzhya National University of Ukraine
          Specialty: Economic Cybernetics;
          Degree: Mathematician, Economist. Second cycle of higher education.

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SPECIAL KNOWLEDGES

Web Application Security Researcher:
- My interest in ethical hacking has resulted in dozens of found and reported security issues in such services as: rubygems.org, ZeroMail, tagged.com, etc
- I took part in a CTF(Capture The Flag security game) as a Game Master and designed several vulnerable web applications for **UISGCon** #10, #11, #12 (2014-2016) - Ukrainian InfoSec conference.
- Prepared CTF game for **«HackIT-2015»** the Cybersecurity Olympiad and International forum **«Cybersecurity: Ukraine and the world»**

Community development:
- Contributed to open source projects, e.g.: react-toolbox gitlab-ce phony site_prism.vcr
- Held "Ruby for pentesters" presentation on the OWASP Kyiv Chapter meetup.
- Had a speech on the 11th Ruby Meditation meetup.
- Partnered with 4 other developers to plan and execute 3 Front-End Meetups and the very first Hackathon in Zaporizhzhya city.

Languages: English – upper-intermediate level. Ukrainian, Russian – native.

SUMMARY OF EXPERIENCE:

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

Company:	**Sphere Software** **Mar 2016 – Present**
Project:	**Groupon, Chicago IL**
Project Description:	Groupon is an US e-commerce marketplace. I am working on their notification engine that handles reservation related notifications for Online Booking. It consists of a web server and a set of background workers. The web server exposes endpoints to configure notification profiles and settings as well as callbacks received from the SMS/Calls service.
Customer:	US company https://groupon.com/
Project Role:	Back-end developer
Responsibilities:	▪ Was implementing back-end entities and business logic. ▪ API design.
Project Team Size:	Worked as a part of a big distributed team.
Tools & Technologies:	Ruby on Rails 4, Redis, groupon specific services/APIs.

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Project:	**Dabble, Chicago IL**
Project Description:	Dabble is an online community marketplace for people to discover, teach and host unique and affordable one-time classes. Was working mostly on UI parts of the app using JS and CoffeeScript. Worked on migrating from old SSO to a new one , refactored and removed legacy code, was working on optimizing and performance enhancement.
Customer:	US company https://dabble.co/
Project Role:	Front-end, Back-end developer
Responsibilities:	▪ Updating UI, Applying new design. ▪ Implementing back-end entities and business logic. ▪ Refactoring legacy code
Project Team Size:	~ 5 team members
Tools & Technologies:	Ruby on Rails 4.2, Trailblazer, Cells, Roar, ActiveAdmin, CoffeeScript, jQuery
Project:	**Syft, London UK**
Project Description:	Syft is a temporary staffing solution for the hospitality sector in London. Using the Syft mobile app and website, businesses can find temp staff quickly and easily basing on geolocation and required skills set. Joined the team to help them with rewriting and redesigning their API. Was working on implementing a new admin panel for that API.
Customer:	UK company https://syftapp.com
Project Role:	Front-end, Back-end developer
Responsibilities:	▪ API design: specs, documentation. ▪ Implementing back-end entities and business logic. ▪ Writing UI part of the app using react+redux.
Project Team Size:	~ 30 team members
Tools & Technologies:	Ruby on Rails 5, Grape, Virtus, ES6, React+Redux, postgreSQL, Rspec, VCR, Factory Girl
Project:	**Chairlift Expense, Chicago IL, Kyiv Ukraine**
Project Description:	Chairlift Expenses is an internal Sphere's project for handling company's expenses. It runs Ruby on Rails 5 API-only application on back-end(JSON API + JWT) and React+Redux Single Page Application on front-end. I was working on it starting from the initial proposing, planning and designing architecture and finishing implementing both front and back-ends of the project.
Customer:	US company. Internal project

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Project Role:	Team Lead
Responsibilities:	▪ Code reviews, estimating and allocating resources, writing stories. Decision-making and negotiating, communicating with the project owner. ▪ Writing code, making architectural decisions.
Project Team Size:	3 team members
Tools & Technologies:	Ruby on Rails 5, ES6, React+Redux, Gulp, CSS, JSON, postgreSQL, Rspec, Capybara, Factory Girl
Project:	**Enova, Chicago IL**
Project Description:	Large enterprise project in financial sphere intended to optimize business processes of the loan company. Project consists of two main parts: Core application based on Ruby on Rails 2.1, Ember and brand-new service wrote from scratch using Rails 4.2. Project is based on third party SOAP API and bunch of internal services and APIs.
Customer:	US company https://www.enova.com/
Project Role:	Team Lead
Responsibilities:	▪ Code reviews, estimating and allocating resources. ▪ Decision-making and negotiating. ▪ Writing new and refactoring legacy code.
Project Team Size:	3 team members
Tools & Technologies:	Ruby, RoR, JS, Ember, CSS, Bootstrap, SOAP, JSON, postgreSQL/jsonb, Cucumber, Rspec, Capybara, VCR, JWT, Devise
Project:	**Chairlift(Better Feedback), Chicago IL, Kyiv Ukraine**
Project Description:	Chairlift is a modern, cloud based HR solution that elevates employee performance and provides HR professionals with the insight to nourish workplace culture. It is an internal Sphere project I worked as a part of remote team.
Customer:	US company. Internal project. https://chairlift.io
Project Role:	Front-end, Back-end developer
Responsibilities:	▪ Implemented several UI parts/features of the application using React, Redux and ES6. ▪ Worked on back-end entities.
Project Team Size:	10 team members
Tools & Technologies:	Ruby on Rails 4.2, ES6, React+Redux, CSS, JSON, postgreSQL, Rspec, Factory Girl

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Company:	**Ira Rott Inc**	**Jan 2015 – Mar 2016 (part time)**
Project:	**irarott.com, Ontario, Canada**	
Project Description:	Online shopping cart for selling digital material (pdf files with patterns) and is a kind of CMS that has almost everything customizable using admin page, beginning with adding new patterns, portfolios, creating standalone pages, categories etc and ending with changing all SEO-related parameters of this website.	
Customer:	Canadian company https://irarott.com	
Project Role:	Full-Stack Developer	
Responsibilities:	▪ creating back-end and frontend, admin page ▪ design, SEO-optimisation ▪ configuring and optimization of the web, SQL servers ▪ site migration, support current features and monitoring website's state.	
Tools & Technologies:	Ruby 2.1, JavaScript, CoffeeScript, Padrino, Jquery, JS, SASS, Haml, ActiveRecord, Carrierwave, Poltergeist, Selenium, JSON, Newrelic, Sprockets, Nginx, PostgreSQL, Capistrano	
Company:	**Ecommerce LLC** **Columbus OH, Zaporizhzhya Ukraine**	**Sep 2012 – Oct 2015**
Project:	**CloudByIX,**	
Project Description:	Cloud by IX is a Cloud Hosting service created for system and database administrators, web developers, resellers, hosting professionals and business infrastructure. The project is a Single Page JavaScript Application that integrates CloudStacks into current manage panel and billing system of Ecommerce.com's brands. Application has Ruby on Rails + Sinatra on back-end and backbone.js on front-end	
Customer:	US Company https://www.cloudbyix.com/	
Project Role:	Team Lead, Middle Ruby/JS developer	
Responsibilities:	▪ Creating UI that integrates current control panel with CloudStack. ▪ Design of UI components. ▪ Adapting SOAP API interface to JSON and vise verse. ▪ Supporting released features, updating functionality as it was required by MVP and Agile methodologies. ▪ Security researcher.	
Project Team Size:	4 local developers, 1 remote developer, 3 QAs	

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Tools & Technologies:	Ruby 1.9.7 and 2.1.3, CoffeeScript, Ruby on Rails 4.0, Sinatra, Backbone.js 1.1, Marionette.js, jQuery, Rspec 3.2, Capybara, Jasmine, VCR, site_prism.vcr, Capistrano, SASS, ROM, Guard, Node, Faye
Project:	**Ordering Wizard**
Project Description:	Ordering wizard for Cloud product on CloudByIx.com and IxWebhosting.com. This project is an integrated Single Page Application that allows to pre-configure and bye cloud product without using external payment services.
Customer:	US Company http://www.ixwebhosting.com/
Project Role:	Full-Stack Developer.
Responsibilities:	▪ Creating UI that integrates SOAP API interface with control panel and CloudStack that uses JSON. ▪ Supporting released features, updating functionality as it was required by MVP and Agile methodologies.
Project Team Size:	3 developers and 2 QAs
Tools & Technologies:	Ruby 2.1.3, CoffeeScript, Sinatra, Backbone.js, jQuery, Ruby on Rails 4.0, Rspec 3.2, Capybara, Jasmine, VCR, site_prism.vcr, Capistrano, SASS, ROM
Project:	**IxWebhosting.com + HostExcellence.com**
Project Description:	Landing pages for IxWebhosting.com and HostExcellence.com, This project contains pop-ups and bunch of landing pages for current and pre-sales products that give the company an opportunity to sale a product using one-click purchase tool or Opt-In for a new project that is not yet released.
Customer:	US Company http://www.ixwebhosting.com/
Project Role:	Front-end Developer
Responsibilities:	▪ Integrating design with current API and billing system. ▪ writing code needed for One-Click purchase tool.
Project Team Size:	2 developers, 1 designer, 1 QA
Tools & Technologies:	Ruby 2.1.3, CoffeeScript, Ruby on Rails 4.0, jQuery, Rspec 3.2, Capybara, Jasmine, SASS, Faye, JSON

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Company:	**Independent or temporary projects, own projects.**
Project:	**Cybersecurity Olympiad «HackIT-2015» Jan 2015 - Mar 2015**
Project Description:	«SecureVPN» is a service created for the Cybersecurity Olympiad «HackIT-2015» with deep integration of fake payment service that allowed users to get paid VPN server and connect to any other servers in the network. Service was based on an open-source project with hooks for OpenVPN that I had to rewrite for game's needs. The whole infrastructure had 2 VPN servers located in Amsterdam and Singapore, billing system located in Toronto and payment system in Singapore. Back-end was rewritten to add flags and integrate the product with 3rd party payment systems.
Customer:	Ukrainian Non-Government Organisation «Ukrainian Information Security Group»
Project Role:	Full-Stack developer, Game-Master's assistant.
Responsibilities:	▪ Adding and configuring VPN, SQL and web servers using Chef. ▪ Integrating fake payment system with the services, ▪ adding vulnerabilities and fixing existent ones.
Project Team Size:	1 developer, 2 game masters, 2 security researchers.
Tools & Technologies:	Ruby 2.1, Ruby on Rails 4.2, Chef
Project:	**UISGCon 11(2015) Oct 2015 - Dec 2015**
Project Description:	«FindMeGetMe» is a fake Dating website with an API for mobile application created for a CTF(Capture The Flag hacking game) organised for UISGCon 11(2015) - Ukrainian InfoSec conference held by Non-Government Organisation «Ukrainian Information Security Group» This Fake Dating website was created for security researchers and had no real users or profiles. It was created with a pre-defined vulnerabilities related to Redis and Sockets. I used a Free design and added vulnerable Rack application that gets photos from Redis service using Sockets technology.
Customer:	Ukrainian Non-Government Organisation «Ukrainian Information Security Group» https://uisgcon.org/
Project Role:	Full-Stack developer, second Game-Master
Responsibilities:	▪ Creating back-end ▪ integrating design ▪ configuring and optimising web, Redis servers, ▪ monitoring services and the application during the games. ▪ Creating API for a mobile app.

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	▪ Creating mobile app using React native.
Project Team Size:	1 developer, 2 game masters, 2 security researchers.
Tools & Technologies:	Ruby 2.2, Sinatra, Redis, JavaScript, React Native 0.15
Project:	**grunt-coffee-chain - grunt plugin**
Project Description:	A grunt plugin inspired by Sprockets to compile CoffeeScripts that has sprockets-style comments to indicate dependencies. It allows web developers in their CoffeeScript files to write Sprockets-style comments to indicate dependencies. This ruby gem is written in CoffeeScript but it compiles itself to JavaScript using the previous version of itself.
Customer:	Open Source Community
Project Role:	JavaScript developer
Responsibilities:	▪ Full-stack developer ▪ Support of the OSS
Tools & Technologies:	CoffeeScript, JavaScript, Node.js 0.10.15, Grunt 0.4, Sprockets, Snockets
Project:	**AsanaGodContact - ruby gem**
Project Description:	A gem for sending notifications to Asana using god.rb tool. God.rb is an easy to configure, easy to extend monitoring framework written in Ruby. http://godrb.com/ Asana is a web and mobile application designed to help teams track their work. This OSS ruby gem allows to send notifications to asana in case God.rb raises an issue with your ruby app.
Customer:	Open Source Community
Project Role:	Ruby developer
Responsibilities:	▪ Full-stack developer ▪ Support of the OSS
Tools & Technologies:	Ruby 2.1, Mocha, Minitest