

# Raul Benitez Netto

Full Stack Developer

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Full stack developer with +12 years of professional experiences, performing various types of **SaaS projects**, hybrid applications and operability of different systems, a lot of experience working as a developer mainly with programming languages such as **Python, Ruby** and PHP, in addition to professional experiences with Java. My experience working in Linux and cloud environments is high. Solid knowledge of frameworks and libraries in different development stacks like **ReactJS, Electron**, jQuery on the frontend, and also **Ruby on Rails, Django and CakePHP** on the backend, plus DevOps technologies like **Docker** and GitLab Pipeline. I specialized in web application and infrastructure security using best development practices guidelines such as the OWASP project and NIST frameworks. I have also participated in teams investigating many cybersecurity incidents and some of them advanced, categorized as APT (Advanced Persistent Threat). I have **leadership skills** and experience leading a team of threat analysts at CERT-PY. My **vision as a software developer, pentester and threat analyst** makes me a versatile engineer that can be an important piece in the technology area of any company. I imagine my professional future in an international technology company as a tech lead being part of their **development team, innovation team** or their **DevOps team** specifically applying DevSecOps policies.

## EXPERIENCE

### Beacon Lab - Cybolt

**Incident Response Specialist** — September 2023 - Present

- Being part of the analyst team in more than seven (9) cyber incidents categorized as Critical. These attacks were performed by bands like Akira, Trigona, Mallox and others
- Design and work of more than 5 cyberdrills and incident response tabletop. Being part of Red and blue strategies and execution.
- Working to establish the CSIRT, selecting tools, technology.
- Working closely to plan, design and execute cyber exercise as a service for several Cybolt's clients.
- Working closely with the Checkmarx SAST/DAST Tool and performing code review and pentesting in web development projects written in PHP, Python, Ruby and CGI
- Creating tools with python and ELK to process huge amounts of data, more than 300 gb of security logs. Processing means: include data in an index database and then understand logic or attack pattern during a cyber incident investigation.

**Tech Stack:** Python, Elastic Search, Kibana, Logstash, Linux, Linux Shell/Bash, Window Logging System, MISP, Promox PVE, pfSense, Docker, Swarm, Cisco Umbrella.

**Skill:** Leadership, Teamworking, Problem-Solving, Analytical Thinking

### Megashop

**Web Developer and Innovation Manager** — August 2023 - January 2024

- I've developed a tool using IA to improve bulk importing/creating products into the Megashop eShop, reducing in 300% the time taken by an admin user to create or insert products.
- I managed to complete the complete workflow to create an e-store. Define objectives and strategies. Define roles and procedures. Define system requirements. Guide the development team to meet the requirements among other tasks. All this work will allow having a virtual store up and running in less than a month. With this, the company will be able to expand its virtual presence in the market and boost its sales by at least 30%.

**Tech Stack:** Ruby on Rails, Railway, ChatGPT, PostgreSQL, jQuery

**Skill:** Leadership, Teamworking, Problem-Solving, Innovation Thinking,

### CERT-PY - Ministerio de Tecnología de la Información y Comunicación

**Incident Management Operational Supervisor (Threat Analyst Lead tier 3)** — November 2019 - Present

- I was able to develop 3 report processing automation tools. All made in Python. All of them integrated different services and communication channels with our Request Tracker - Incident Response (RTir) ticketing system.
- I've implemented a set of tools to process around 30k IoC feeds received per day from different sources using a mix of Python scripts with ELK. This tool is providing free cybersecurity warnings for all the government agencies of the country.
- Creating a Web Tool for managing IT and CSIRT contacts written in Django.

**Tech Stack:** Python, Django, Elastic Search, Kibana, Logstash, ELK, Linux, Linux Shell/Bash, Window Logging System, IntelMQ, MISP, Promox PVE, pfSense, OPNsense, Docker, Swarm, pi-hole, AWS Security sets.

**Skill:** Leadership, Teamworking, Problem-Solving, Analytical Thinking

### Integradevs Software Solutions, Web Developer

**ClearForms / ClearGov** — September, 2022 - May, 2023

- I have implemented a login system with Auth0 for integrating a variety of ClearGov's projects with an unique SSO. MFA logic was included too. Actually it is being used by more than 4k users with admin roles. This system is helping with the integration of various projects of the company and adding a security layer for the admin users.

**Tech Stack:** ReactJS, Ruby on Rails, Docker, Heroku, Auth0

**Skill:** Teamworking, Problem-Solving

**SmartLunches** — January, 2012 - September, 2015

- I have created a web system to order food for kids by their parents. It had a partnership with Schools in Boston where the meals were delivered. The system allows you to choose the day and the food for your kid by hand or it can be automatically selected by a system according to likes. It helped more than 5k users at that time.
- Previously they used a third-party web app with no control of the UI or any workflow in the system. The admin dashboard provided a complex UI for creating meals. For that, I had to create a script in PHP to read an Excel spreadsheet with meals data and create them in the web system..

**Tech Stack:** jQuery, Ruby on Rails, Heroku, PostgreSQL, PHP

**Skill:** Teamworking, Problem-Solving

### DarkWaves, Pentester Consultant Junior — April, 2022 - July, 2022

- Performed pentesting web in 2 projects, web and mobile. Generate reports for them.

**Tech Stack:** Burp Suite, OWASP Suite, Nmap, Mobile-Security-Framework-MobSF, Hexway Hive

**Skill:** Problem-Solving, Analytical Thinking

### MMF System, Software Developer — September, 2018 - December, 2021

- I helped in the construction of one integration between a fax page (TIFF) processor with a SOAP Java System with Machine Learning and OCR detection. Reducing the tasks pressure to human analysts by ~56% for processing patients' medical records for hospitals around the USA. Before the patients' medical records were sent via fax directly to a human operators team and were manually processed. It means, the records were read, identified, classified and stored in a Java Web Application.
- We developed a Django web app to migrate the old system written in Java. We were not able to release it.

**Tech Stack:** Python, Matplotlib, Pandas, OCR, Django, Vagrant, GitLab, SQL.

**Skill:** Teamworking, Problem-Solving

### SingleCase.cz, Web Developer — October, 2017 - December, 2018

- Contributed for building a web software solution for lawyers, refactoring and improving the business logic into the legacy codebase. We were able to provide services for more than 100 law firms in the Czech Republic, Slovakia and Romania. We were expanding to Germany.
- Created a hybrid app for macOS and Windows OS with Electron.

**Tech Stack:** ElectronJS, NodeJS, PHP, CakePHP, Docker.

**Skill:** Teamworking, Problem-Solving

### Stratosphere Lab - +Faculty of Electrical Engineering, Czech Technical University

**Junior Researcher - Stratosphere Lab** — May, 2016 - August, 2018

- Created a Machine Learning Model to measure the WHOIS Similarity Distance  
<https://github.com/stratosphereips/whois-similarity-distance> of two given domains with a 95% TP rate.

**Tech Stack:** Python, Matplotlib, Pandas, Machine Learning Models

**Web Developer - Stratosphere Lab** — May, 2016 - August, 2018

- Created a web application for providing threat analysts a fast interface and analysis tools to speed up their research <https://www.stratosphereips.org/manati>. It was presented in 3 conferences and it was validated by 1 threat analyst team.

**Tech Stack:** Python, Django, jQuery

**Skill:** Problem-Solving, Analytical Thinking

## SKILLS

**Programming Languages:** Advanced: Ruby, Python, JavaScript; Intermediate: PHP; Basic: Java.

**Frameworks Tools:** Advanced: Django, Ruby on Rails; Intermediate: CakePHP, Electron, ReactJS; Basic: JSP.

**Data Base:** Intermediate: PostgreSQL, MySQL, SQLite; Basic: Elasticsearch.

**Tools:** Advanced: Linux shell, Docker, Heroku, Virtual Box; Intermediate: Vagrant, Heroku, Digital Ocean, AWS, Burp Suite, GitHub, Gitlab; Basic: Terraform, Ansible, Kubernetes, OwaspZap.

**Agile:** Kanban, Scrum,

**Languages:** Advanced: English; Native: Spanish.

## EDUCATION

**Czech Technical University of Prague** – Prague. **Master of Science, Computer Security**, September 2018

**National University of Itapua** – Encarnación. **Computer Engineering**, December 2014

**National University of Asunción** - Asunción Paraguay, **Innovation Managers** - July 2023

**National University of Córdoba (UNC) and MundoSE**, **Diploma Devops** - In progress

## CERTIFICATIONS

**Certified SOC Analyst v1** – EC-Council. 2022.

## Courses

**National University of Defense** – Washington DC, **Policy Development Course** - CYBER in the Perry Center, July 2023