

LUCA ERCOLI

IT SECURITY SPECIALIST

DETAILS

ADDRESS

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DATE / PLACE OF BIRTH

Frosinone

DRIVING LICENSE

B

NATIONALITY

Italy

LINKS

[Website](#)

LANGUAGES

English

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SKILLS

Penetration Testing

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Vulnerability Assessment

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Computer Forensics

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Malware Analysis

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IoT security

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IT Governance

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Risk Management

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Linux System
Administration

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PROFILE

Currently living in a quiet town near the Italian coast, I work as Cyber Security Specialist employed by one of the largest hosting provider of the country.

During the course of my career, researching for new techniques and issues on the wider field of InfoSec, hence vulnerabilities that affects Operating Systems, Web Application Security, Penetration Testing, Reverse Engineering, Malware Analysis and Digital Forensics, I was been acknowledged for reporting security flaws affected by widely recognized companies like IBM, Apache Foundation, MySQL, Microsoft, Paypal, eBay, Amazon, U.S. Dept Of Defense and more.

Demonstrable experience approved by [Harvard's Office of the Vice Provost for Advances in Learning](#), 3 Cisco certifications, develop and organization of 3 Ethical Hacking national level competitions, more than 350 security vulnerabilities found and 2 books published.

My background includes project leading, design and implementation, system libraries and Linux Kernel modules programming, iOS mobile game development, studies of Search Engine Optimization and experience in design and implementation of communication systems using SDR technology.

In my leisure time enjoys building stuff with 3D printer and home made Milling Machines, prototyping projects and little inventions etching circuits or using Arduino platform, playing the piano and watching documentaries.

EMPLOYMENT HISTORY

Security Specialist, Seeweb srl

Frosinone

May 2005 — Present

Cloud Computing Provider that offers IT solutions since 1998.

Present in Italy with four proprietary data centers.

COURSES

CCNA Routing and Switching, Cisco

Dec 2010

CCNA Security, Cisco

Apr 2011

CCNP Routing, Cisco

May 2013

U3963S Certified Ethical Hacker (CEH) Training, HP Education Center

May 2014

Network Administration



Linux Kernel Modules
Developer



Apache2 Modules
Developer



Cloud Computing



iOS Developer



Search Engine
Optimization



Wordpress plugin
developer



PHP Developer



Ansi C Developer



Cybersecurity: Managing Risk in the Information Age, Harvard University

Nov 2018

RESEARCH & ACKNOWLEDGMENTS

On March 18, 2025: 310 publicly undisclosed vulnerabilities found

On March 18, 2025, I identified 310 vulnerabilities that were not publicly known on assets such as PayPal, eBay, Amazon, Salesforce, the U.S. Department of Defense, and more.

Link: <https://hackerone.com/krynos?type=user>

Some vulnerabilities identified and publicly disclosed

In the early years of my research, before 2005, I publicly disclosed the vulnerabilities I identified. In contrast, the issues I have discovered in recent years are all confidential. Here is an example:

- CVE-2021-0278:Junos OS allows a locally authenticated attacker to escalate their privileges to root
- Apache server htdigest buffer overflow CVE-2005-1344
- MySQL server Denial of Service vulnerability CVE-2005-0799
- LG U8120 Mobile Phone Denial of Service CVE-2005-1132

BOOKS

SysAdmin. Amministrazione di sistemi Linux

Book's ISBN: 8862238215

Corso SEO: da zero a specialist

Nov 2017

E-Book: <https://libri-seo.com/>

EXTRA-CURRICULAR ACTIVITIES

Worpress Security Optimizer

Protect Wordpress from Vulnerability scanner and Hackers

<https://wp-security-optimizer.com/>

Balloon iOS APP

<https://itunes.apple.com/app/id1386353106?mt=8>

Clash Calculator iOS APP

<https://itunes.apple.com/us/app/clash-calculator/id1454845143>

Struck! iOS APP

<https://apps.apple.com/us/app/struck/id1460654446?ls=1>

libapache2-mod-slotlimit

mod_slotlimit is an Apache module that using dynamic slot allocation algorithm and static rules, can manage resources used for each running site.

<https://sourceforge.net/projects/mod-slotlimit/>

libapache2-mod-spamhaus

Apache DNSBL module that blocks listed IP addresses

<https://packages.ubuntu.com/xenial/libapache2-mod-spamhaus>

Appointed on Wikipedia: https://en.wikipedia.org/wiki/List_of_Apache_modules

Website Security Plus

Antivirus and web reputation scanner developed working as Security Specialist at Seeweb

<https://www.seeweb.it/prodotti/cloud-appliance/website-security-plus>

Rolling Code Grabber

A GNU Radio flowgraph that implement an attack to Remote Keyless Entry (RKE) systems using Roll Jam technique

<https://github.com/lucaercoli/rolling-code-grabber>

ModSecurity Score-Based Rule Set (SBRS)

The ModSecurity Score-Based Rule Set (SBRS) is a set of application-level attack detection rules for use with ModSecurity. The goal is to block malicious web requests (SQL-Injection, Remote Command Execution and Local File Inclusion attempts, etc.) by implementing a scoring mechanism and avoiding the most common problems associated with the integration of ModSecurity into production servers, such as false positive errors, heavy customisation based on application logic or high CPU and memory usage.

<https://github.com/lucaercoli/modsecurity-sbrs>

M I L E S T O N E S O F E X C E L L E N C E A C H I E V E D

**Partial ranking as of February 14, 2025 at HackerOne
Leaderboard: 1st place in the world ranking for the
"OWASP Injection" category**

**HackerOne Leaderboard 2024: 4th place in the world
ranking for the "OWASP Injection" category**

**HackerOne Leaderboard 2023: 3rd place in the world
ranking for the "OWASP Injection" category**

**HackerOne Leaderboard 2022: 3rd place in the world
ranking for the "OWASP Injection" category**

Seen on Wikipedia: Mentioned for ModSpamhaus

Mentioned on Wikipedia among the most noteworthy and useful Apache2 modules for stable distribution: https://en.wikipedia.org/wiki/List_of_Apache_modules

**The Mozilla Foundation has publicly thanked me
and featured me as a testimonial on HackerOne for
helping them become more secure.**

When asked about working with **krynos** on a vulnerability submission, **Mozilla** said:

"Krynos provided us with a well written and detailed report, using a novel attack."

Link: <https://hackerone.com/krynos?type=user>

Referenced by Chris Wysopal, Chris Eng at Blackhat.com

The website **BlackHat.com** is the official site for **Black Hat**, a globally recognized cybersecurity conference series. Black Hat events focus on **cutting-edge security research, penetration testing, and cybersecurity training**, attracting professionals from around the world, including ethical hackers, researchers, and security experts.

I was cited as a source for an analysis titled "**Static Detection of Application Backdoor**":

Link:

www.blackhat.com/presentations/bh-dc-08/Wysopal-Eng/Whitepaper/bh-dc-08-wysopal-eng-V

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