

SIMONE RUSSO.

APPLICATION SECURITY

CONTACT

s.russo06@icloud.com

errusso.github.io

github.com/ErRusso

Italy · remote (EU timezone)

PROFILE

Application security, early career. I review code against the OWASP Top 10, model trust boundaries, and write reproducible checks plus regression tests. I also build the software, so remediation is practical. One public training lab; no paid pentests claimed. Currently studying Computer Science at UniMol; open to junior AppSec roles.

EXPERIENCE

Author · training lab OCT 2026

BOLA/IDOR in an invoicing API

Local, synthetic data · errusso.github.io/security/lab-idor

- Built a local invoicing API with authentication but no object-level authorization; reproduced Alice reading Bob's invoice.
- Documented impact, root cause and fix; the regression test asserts vulnerable 200, fixed 404, owner/self 200 and anonymous 401.

[Lab](#) [Source](#)

Software development support JUN-AUG 2024

Packly Prinigraf SRL

Campochiaro (CB), Italy · internal project, code not public

- Worked on an internal real-time dashboard with JWT/cookie auth, REST endpoints, SQLite persistence and a Slack integration.
- Hands-on with authentication boundaries and object-level data access in a production-facing internal tool; code private.

Open-source contributor OCT 2026

napi-bindings/marmotta

Open source

- Reviewed an unfamiliar Node-API build tool, focusing on toolchain paths and failure handling.
- Covered custom-directory and failure paths with regression tests; +1115 / -44 across 15 files; documented upstream.

[Marmotta](#)

Creator & maintainer OCT 2026

PipeDuck

MIT · v1.2.0

- TOML config validation, threshold clamping and hot reload; unit tests cover parsing and routing invariants.
- Threat-modeled audio-routing failure paths; tray/D-Bus surface remains open and is documented.

[Repository](#) [Release](#)

SKILLS

WEB SECURITY

OWASP Top 10 · BOLA/IDOR · authn vs authz · input handling

REVIEW

Secure code review · threat modeling · remediation notes

PROOF

Reproduction steps · regression tests · scoped disclosure

PLATFORMS

Node.js/Fastify · TypeScript/Next.js · SQL/SQLite · GitHub Actions

SYSTEMS

C++20 · Zig · Linux · PipeWire/libpulse

EDUCATION

2025-PRESENT

BSc Computer Science

Università degli Studi del Molise (UniMol)
Currently enrolled.

2019/20-2024/25

Technical diploma, Computer Science

Istituto Tecnico G. Marconi, Campobasso
Five-year technical track.

SELECTED LINKS

[Portfolio](#) — errusso.github.io

[GitHub](#) — github.com/ErRusso

[Security lab](#) —
errusso.github.io/security/lab-idor

[PipeDuck v1.2.0](#) —
github.com/ErRusso/pipeduck/releases/tag/v1.2.0

[Marmotta](#) — github.com/napi-bindings/marmotta

AVAILABILITY

Junior application security roles · Italy / remote (EU timezone).

Italian — native · English — working proficiency.