

ROMAIN RICARD

Cybersecurity Engineer

CONTACT

LINKEDIN Romain Ricard
E-MAIL contact@romainricard.fr

PHONE +33 6 68 78 30 81 (Call, Signal, or SMS)

ABOUT

Cybersecurity engineer with 10+ years of experience at the intersection of development and security. Graduate of top French engineering schools, I combine hands-on coding experience with deep security expertise, from building security platforms to conducting advanced vulnerability research.

At Hackuity, I split my time between leading penetration testing operations and driving application security R&D: building security platform features, integrating third-party SAST/DAST/SCA tools, reviewing security-critical code, and supporting engineering teams with cybersecurity expertise. This dual perspective taught me to communicate effectively across the organization, translating technical vulnerabilities into actionable insights for both developers and executives.

I'm seeking a role where I can contribute to security teams, bringing my dual expertise in penetration testing and security engineering to help organizations tackle complex security and strengthen their secure development practices.

PROFESSIONAL EXPERIENCE

Since
10/2023

Cybersecurity Consultant
Independent (Lyon, France)

- Providing cybersecurity consulting and support services to various clients.
- Conducting web and internal penetration tests, remotely or on-site, across many industries and company sizes;
- Technical advisor to a cybersecurity startup, incubated by a \$5B-portfolio startup studio, building an AI-assisted pentest platform: helping shape product strategy, validating technical architecture, and providing market insights on security tooling and practitioner workflows.

03/2019
to 10/2023

Lead Pentester & Application Security R&D Engineer
Hackuity (Lyon, France)

Application Security & Platform Development (~60% of time)

- Designed and developed security platform features, including SAST/DAST/SCA tool integrations, vulnerability management workflows, and pentesting reporting interfaces;
- Performed code reviews on security-critical components, including connector framework and Python modules, ensuring secure development practices;
- Created and maintained comprehensive vulnerability knowledge base, defining standardized vulnerability classifications and remediation guidance;
- Provided embedded security expertise to engineering teams, supporting developers with security questions during feature development;
- Served as product owner on AI research projects, defining functional requirements and security implications;
- Trained third-party penetration testers on platform usage.

Penetration Testing & Client Advisory (~40% of time)

- Led and managed the penetration testing team;
- Conducted web, mobile, and internal infrastructure security assessments across pharmaceutical, finance, insurance, and tourism sectors;
- Authored technical reports and presented findings to CISOs, technical, and executive teams;
- Drafted commercial proposals and managed client relationships.

Since
2020

Teacher and Thesis Jury Member

Guest lecturer and thesis jury member in several schools (IUT Béziers, Ynov, MyDigitalSchool, etc.)

09/2016
to 09/2018

Software Engineer
Smile Open-source Solutions (Montpellier, France)

Developer, then Lead Developer (8 months, 5-person team) for a maintenance and rebuild project of rsi.fr, later secu-independants.fr. Design and development in PHP/TYPO3.

09/2015
to 09/2016

Network Security Development Engineer
Orange Business Services (Sophia Antipolis, France)

Designed and developed (mobile and web), and managed a business platform project for cybersecurity teams.

EDUCATION

2018	Advanced Master's Degree in Cybersecurity (<i>"Mastère Spécialisé"</i>) <i>INSA Lyon</i> Post-engineering specialization in cybersecurity, covering governance and compliance (ISO 27001, EBIOS, project management, etc.), and technical expertise.
2015 to 2018	Engineering Degree (MSc) <i>IMT Mines Alès</i> Computer Science and Networks Engineering (" <i>INFRES</i> ") program, in apprenticeship. Specialization in software development.
2013 to 2015	DUT Informatique (equiv. Associate Degree) <i>IUT de Montpellier</i> Two-year university degree in technology.

TECHNICAL SKILLS

Cybersecurity

PENETRATION TESTING	Expert in web (applications and APIs), mobile (iOS/Android), and infrastructure security assessments. PoC and exploits development, vulnerability research. Tools: Burp Suite, Metasploit, BloodHound, sqlmap, impacket, Qualys, Nessus, etc. + development of custom tooling.
APPLICATION SECURITY ENGINEERING	SAST/DAST/SCA tool integration and evaluation (Qualys VMDR, Rapid7, Checkmarx, ...), vulnerability management platforms, secure code review, threat modeling.
SECURITY ANALYSIS	Vulnerability assessment and scoring (CVSS), vulnerability identification and remediation, attack surface analysis, security architecture review.
LEADERSHIP & COMMUNICATION	Security project management, technical report writing, presentation of security findings to CISOs, engineering teams, and executives. Mentoring junior engineers and supporting development teams with security guidance.
LEGAL	Foundational understanding of GDPR and relevant cybersecurity legislation, including the legal framework surrounding penetration testing, ISO27001, PCI DSS, NIS2, ...

Programming

LANGUAGES	Python, JavaScript, TypeScript, PHP, bash, C/C++
FRAMEWORKS	Django, Pydantic/FastAPI, Vue, React
TOOLS	Git, GitHub, GitLab

System / Ops

OS	Advanced GNU/Linux, Windows systems (including Server).
NETWORKING	Active Directory, architecture, network protocols (L1–L7) including TCP/UDP, HTTP, IPv4, IPv6, 802.1Q (VLAN), DNS, DHCP.
DEPLOYMENT	CI/CD, Ansible, containers (LXC/Docker), virtualization (QEMU, Proxmox, VirtualBox, Hyper-V).

LANGUAGES

French: fluent

English: fluent; fully capable of communicating (written and oral) with clients and teams, writing reports, etc.
TOEIC: 970/990 (2016).