

Gaëtan HUREL

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🌐 <https://pard0x.com>

PROFESSIONAL EXPERIENCE

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| CUR.
OCT. 2017 | Independent Consultant at pard0x, France
<i>Information security, cloud technologies and blockchain technos</i> <ul style="list-style-type: none">• Operate cloud/on-premises migrations with various cloud providers (AWS, Azure, GCP)• Design and setup advanced cloud applications platforms (Kubernetes, OpenShift, Docker)• Assist dev. team with continuous integration optimization (Jenkins, Ansible, OpenShift)• Administrate IT parks and harden systems & networks (IDS, DPI, DLP, firewall, others)• Audit smart contracts and blockchain applications for security vulnerabilities (Ethereum)• Design, implement and secure decentralized blockchain-based networks (HyperLedger, others) |
| SEP. 2017
MARCH 2017 | R&D Cloud Architect at ActiveEon, France
<i>Optimizing concurrent workflows execution in cloud environments</i> <ul style="list-style-type: none">• Designed and built a fault-tolerant platform for workflows execution using Kubernetes and Azure• Developed resilient monitoring and logging subsystems for the platform administrators• Contributed to the development of softwares through features integration and bugs fixing• Provided security expertise for systems, cloud services and network administration ⇒ Computer skills: k8s, Docker, IaaS (Azure, AWS, GCE), J2EE, administration (LDAP, nginx, Elastic, postgresql, others), dev tools (Git, bitbucket, Jenkins, IntelliJ, Trello), Spring |
| NOV 2015
JAN 2014 | PhD candidate at Inria Nancy Grand-Est (Madynes team), France
<i>Outsourcing mobile security in the cloud</i> <ul style="list-style-type: none">• Devised a cloud-based framework to provide proactive security for mobile devices• Designed complex security workflows for automating mobile traffic inspection• Leveraged Software-Defined Networking and Network Functions Virtualization to this end• Used machine learning techniques to tailor the security processing• Wrote and presented scientific publications in international conferences ⇒ Computer skills: Android, mobile security, cloud architectures, SDN (mininet, OpenDay-Light), virtualization (KVM, Xen, Docker), data mining, graph theory, Java, Python |
| JUN 2015
JAN 2015 | Teaching Assistant at TELECOM Nancy, France
<i>Python, Java and Android programming</i> <ul style="list-style-type: none">• Prepared tutorials and provided practical work sessions• Occasionally helped senior lecturers in preparing exams and lectures |
| DEC 2013
JUL 2013 | Computer Engineer at Inria Nancy Grand-Est (Madynes team), France
<i>Vulnerability assessments on mobile devices</i> <ul style="list-style-type: none">• Developed Ovaldroid, a Java REST-based framework for Android security• Performed periodic and automatic configuration vulnerability assessments on Android devices• Used the OVAL standard (Mitre) to describe vulnerabilities and assess devices configuration ⇒ Computer skills: Android, Java, Tomcat/Jetty, maven, gradle, REST architecture, PHP, MySQL, XML/JSON, OVAL, computer security principles, predicate logic, Agile methods |

PERSONAL EXPERIENCE

- Configured, maintained and secured Unix-based servers (VPS and self-hosted)
- Automated deployment of virtual machines in the cloud for personal purposes
- Learnt Linux-based internals using Gentoo and ArchLinux distributions
- Studied computer systems and networks security in-depth
- Still exploring artificial intelligence and machine-learning applied to information security

EDUCATION

- 2013 MSc degree in COMPUTER NETWORKS AND EMBEDDED SYSTEMS, **Strasbourg University**, France
2011 BSc degree in COMPUTER SCIENCES, **Joseph Fourier University**, Grenoble, France
2007 High School diploma in GENERAL SCIENCES, **Diderot High School**, Narbonne, France

ADDITIONAL INFORMATION

- Languages: French (mothertongue), English (fluent), Spanish (operational), Japanese (basics)
- Personal interests: Outdoor activities, arts, cyber-world and security