

Resume

Personal Information

Name: Julio Cesar da Silva Fort
Date of Birth: 13th July 1985
Nationality: Brazilian
Address: (Currently living in Krakow, Poland – Complete details upon request)
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Github: <https://www.github.com/juliocesarfort>
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Professional Skills

- Solid knowledge in several areas and technical aspects of information security
- Strong technical writing skills
- Development of small software projects
- Experience with UNIX-based systems and network administration
- Equally comfortable working alone or as part of a team
- Keep up to date by reading security-related Twitter feeds, reddit and other sources
- Easy-going, open-mind and able to build good relationships
- Has lectured on the subject of computer security in universities and international conferences

Formal Education

- MSc. Information Security at Royal Holloway, University of London
 - Research topic on evolutionary fuzzing.
Dissertation title: "Investigating the Application of Evolutionary Computing and Genetic Algorithms to Software Security Testing"
- BSc. Computer Science at Universidade Federal de Pernambuco
 - Teaching assistant of information security course from 2009 to 2010
 - Unfinished; skipped straight to pursue a masters degree

Honors

- Offensive Security Certified Professional #OS-101-04454, June 2015
- Corelan Live – Win32 Exploit Development Bootcamp, December 2014
- University of Maryland's Software Security certificate (Coursera), December 2014
- CREST Certified Registered Tester (CRT) ID #44955559, February 2013
- Stanford University SCPD's Software Security Foundations, August 2009

Technical Skills

Security

- Capable of performing automated and manual penetration tests and vulnerability assessments as well as familiarity with industry standard pentest tools
- Knowledge on concepts of secure software development and network maintenance
- Particular interest in software security engineering as well as telecommunications security
- Responsible for the discovery of previously unknown security vulnerabilities in Opera, VLC, Cacti, Citrix XenApp, IBM AIX, QNX RTOS, OSU httpd for HP OpenVMS and others (published CVEs include: CVE-2004-1390, CVE-2004-1391, CVE-2004-1683, CVE-2004-1682, CVE-2004-1681, CVE-2005-2725 and CVE-2007-5805)
- Familiarity with concepts of vulnerability analysis and exploit development techniques
- Web application security; able to conduct manual vulnerability assessments and penetration tests aligned with industry-recognized testing methodologies (i.e. OWASP)
- Well-versed with TCP/IP and X.25 protocols, as well as penetration testing concepts for packet-switched networks
- Proven track record of published security research

Programming

- Intermediate level in C programming for Linux
- Python for small scripts and rapid prototyping

Professional Experience

EPAM Systems – Krakow, Poland

Senior Application Security Tester at UBS – October 2015 – Present

- Serving as external staff for UBS in the global Data Protection & Application Security team
- Performing penetration testing of a wide range of applications, both internally developed and commercial, commonly used in the financial sector
- Responsible for leading several security assessments for some of the bank's most critical systems, including Internet Banking

Pure Hacking – Melbourne, Australia

Senior Security Consultant – March 2014 – September 2015

- Technical engagements including web application security, code review, mobile application assessments, infrastructure and wireless security, penetration testing of proprietary POS systems, incident response
- Pre and post engagement activities such as scoping and report writing
- Responsible for writing the company's internal code review methodology

MWR InfoSecurity – London, United Kingdom

Security Consultant – August 2013 – October 2013

- Participated and led several consulting engagements that included laptop security and build reviews, web application security tests, code reviews and compiled application assessments
- Mentored junior consultants in a number of projects
- Responsible for project scoping, report writing and QA and liaison with clients
- Ad-hoc vulnerability research: discovered and released in private for the team vulnerabilities in a popular PHP-based network monitoring tool.

NCC Group / NGS Secure – Leatherhead, United Kingdom

Security Consultant – October 2011 – July 2013

- Performed on-site and remote penetration tests mainly of infrastructure and web applications as well as server security build reviews for high profile clients in UK and Europe
- Participated in security assessments of pre-release products for major software vendors
- Responsible for writing reports in order to present the findings of security tests in a clear and effective fashion
- Pre and post-engagement liaison with clients
- Contributed to the research team's vulnerability discovery efforts by internally disclosing previously unknown vulnerabilities in popular software

iSIGHT Partners, Inc. – Sao Paulo, Brazil

Senior Threat Researcher – August 2009 – September 2011

Independent contractor – April 2009 – July 2009

- Enforcing customers' security by continuously analyzing global and regional cybersecurity threats
- Production of short intelligence wires and elaboration of reports regarding the regional cybersecurity and e-crime scenarios
- Occasional script writing to support intelligence collection and basic malware analysis

Alligator Security Conference – Recife, Brazil and Krakow, Poland

Founder and main organizer – January 2008 – Present

- Formerly known as µCon Security Conference, the congress re-branded into AlligatorCon and works in an invite-only basis, aiming to bring together the top of the crop of the Latin American and Eastern European computer security scene.

Matta Ltd. – London, United Kingdom

Independent contractor – June 2008 – July 2008

- Conducted security analysis, risk assessment and penetration testing, mainly in web applications, for high-profile customers in private sector and government in Europe and Middle East
- Responsible for technical report writing

Tempest Security Intelligence – Recife, Brazil

Security Analyst intern – September 2006 – December 2006

- Part of co-admin team performing penetration testing and managed security services
- Manual analysis of the output of automated tools, triage of the results to weed out false positives and ticket dispatching containing vulnerability information
- Directly involved with identification and patching of public vulnerabilities in client's inventory

CESAR – Center for Studies of Advanced Systems – Recife, Brazil

Researcher intern – September 2005 – April 2006

- Responsible for studying techniques for software exploitation as well as secure software development in C
- In charge of creating good practices handbook about secure programming against known threats for developer's internal use

Publications and Conferences

- Co-author of *"Improving black box testing by using neuro-fuzzy classifiers and multi-agent systems"*, presented at IEEE-sponsored HIS 2010 (Atlanta, USA)
- Co-author of *"Uncommon attack paths to your IT infrastructure"*, presented at IT Underground Prague 2008 (Prague, Czech Republic)
- Frequent attendee in conferences such as DEFCON, CCC, Security BSides, H2HC, Ekoparty and others
- Speaker at Ekoparty 3rd edition (Buenos Aires, Argentina)
- Speaker at H2HC 4th edition (Brasilia, Brazil)
- Lightning-talk speaker at 23rd Chaos Communication Congress (Berlin, Germany)
- Speaker at H2HC 3rd edition (Sao Paulo, Brazil)

Language Skills

- Native speaker of Portuguese
- Fluent in English
- Intermediate level in Spanish

Additional Interests and Hobbies

- Traveling and backpacking around the world – visited 33 countries so far
- Appreciating acid jazz, soul, funk, skate punk and 80's/90's pop music
- Reading about economics, international politics and popular cultural movements