Johnatan Santos de Oliveira

Full-Stack Developer | Senior IT Engineer | www.johnatan.net | johnoliv@gmail.com | +55 (61) 99211 0008

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[Personal information]
31 years, Brazilian, Married, one Daughter.

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Education

[Master of Science]
Master of Science in Electrical Engineering *[Current] Expected date: Dec/2017*
Research Interest: Neural Networks, Biometrics and Information Security.
Advisors: Dr. Flavio Elias de Deus, Ph.D, UnB / Dr. Anderson Rocha, Ph.D, Unicamp
University of Brasilia - UNB

[Postgraduate Studies]
Post-graduate studies in Digital Forensics (Computer Forensics) (2012) *[Complete]*
Dissertation: Computer Forensics in Android Mobile Devices: A Case Study for Smartphone.
Advisor: Laerte Peotta de Melo, Ph.D, University of Brasilia
Catholic University of Brasilia – UCB

[Graduate]
Analysis and Systems Development (2010) *[Complete]* Catholic University of Brasilia - UCB
Degree in Music (2009) *[Locked]* Federal University of Sergipe – 2nd Period
Systems for Internet Technology (2007) *[Locked]* UNIT – 5nd Period – Aracaju/SE

[High School] Colégio Magistral (2003) – Estância/SE

Career Experience

Banco do Brasil S.A. – Senior IT Engineer and Security Developer
Date: September 2007 – Current
At Banco do Brasil, I'm responsible for the development and management of new IT projects for distributed (Java/Python) and mainframe platforms (IBM z/OS). My latest projects are related to Information Security, Biometrics and Neural Networks. I actively participated as technical manager and developer for projects such as BBCode (security solution based on QR Code), validation of biometrics in ATMs, and integration of financial applications with mobile devices.
Knowledge applied: COBOL, JCL, DB2/VSAM, SQL, PHP, Java, Project Management, Data Modeling, Linux, OS2, GRI and CICS Environment.

University of Brasilia - Researcher CDT / UNB
Date: January 2014 to August 2015
Researcher at the Centre for Technological Development (CDT / UNB) in Network Engineering Laboratory, Department of Electrical Engineering. Technical Cooperation Agreement FUB/CDT and MJ / SE - Civil Identity Registry Redesign and New Pilot Project.
Research fields: Big Data, Cloud Computing, Cryptography, CryptoDB, NoSQL Databases, Software Development, Service Oriented Architecture (SOA), Biometric Standards, Information Security and Computer Forensics.

Interactive IINDEX Studio – Business Partner and Creative Director
Date: March 2005 to December 2009
Responsible for design and development of interactive media products, mobile, integrated systems and new technologies, and information architecture and interface design, focusing primarily on user experience and usability.
Knowledge applied: Project Management, Development Internet Applications and Mobile Applications, PHP, Action Script, Java Script, Ajax, CSS, HTML, HTML 5, jQuery, JSON, SQL, Data Modeling and creation of interfaces.

Alfama Web – Designer and Web Developer
Date: October 2004 to March 2005
Interface Designer and Web Developer. Responsible for the creation and development of websites and multimedia.
Knowledge applied: Development Internet Applications and Mobile Applications, ASP, PHP, Action Script, Java Script, Ajax, CSS, HTML, JQUERY, SQL, Data Modeling and creation of interfaces.

Magazine WWW.COM.BR Publisher: Europe - Contributor and Columnist Writer
Date: October 2005 to December 2006
Columnist writer about ASP and FLASH in monthly period.

Masterradius Transceptores Ltda - Central Processing Administrator
Date: April 2004 to November 2004
Server Administrator Windows and Red Hat Linux. Creation and Development of Multimedia and Interactive Media.

Infonet - Freelancer Designer and Developer
Date: January 2003 to December 2003
Interface Designer and Developer. Responsible for the creation and development of websites and multimedia.

Naweb Ltda - Designer and Developer
Date: October 2002 to February 2003
Responsible for design and development of interactive media products, involving information architecture, interface design and graphic design.

Advance Trainne Ltda - Computer Technician / Instructor and Developer
Date: December 1999 to October 2002
Responsible for the technical area of the company and maintenance of hardware, software and networks 98/2000/NT/XP. Instructor of Corel Draw Basic and Action Server Pages Intermediate. Interface designer and programmer. Creation and Website Development and Multimedia.

Courses and other Activities

Courses and Events by the Bank of Brazil
- Certification of Knowledge in Management Security (BB/CespeUNB) (2012)
- Certification of Knowledge in Information Technology (BB/CespeUNB) (2012)
- Course Requirements Analysis and Software Testing (2009)
- Fundamentals Requirements Specification (2009)
- Courses for Developers MainFrame and COBOL (2009)
- Fundamentals in Software Test. (2009)
- Courses: Information Security and Digital Certification (2009)
- 4°,5°,7° e 8° Trek Technology of Bank of Brazil (2011/12/13)
- Cisco TRN SECURE V 1.0 (Cisco Secure Networks) - TRN-SECURE-1.0 SECURING NETWORKS WITH CISCO ROUTERS AND SWITCHES (SECURE) (2012)
- Basic Training for MainFrame Analysts Developers (2009) – CooperSystem (120 hours)

Brazilian Computer Society (SBC) and the University of Brasilia
- Mini Course: Malware Analysis: Codes Research Exploits Through a Practical Approach
- Mini Course: Techniques for Analysis of Dynamic Malicious Code
- Mini Course: Machine Learning for Computer Security: Methods and Applications
- Mini Course: Live Forensics in Windows Environments

- Application Development with Web Services (8 hours) - VI ERBASE – Regional School of Computing
- Application Development in. NET platform with C# (16 hours) - VI ERBASE
- Cryptography and Digital Keys (4 hours) - Center for Tech. and Knowledge Dissemination (2010)
- Curse 3D Studio Max - Discreet Training Center (2003)

- Windows 95/98, Logic Programming and Delphi 4 (1999) - Advance Trainee Ltda

Articles in Magazines

Oliveira, J. Minha Primeira Aplicacao J2ME. Revista W, N°71, Ano 6, p. 44-49. São Paulo, 2006.
Oliveira, J. Java Móvel. Revista W, N°70, Ano 6, p. 52-54. São Paulo, 2006.
Oliveira, J. Destaques de Notícias em Flash. Revista W, N°69, Ano 6, p. 44-49. São Paulo, 2006.
Oliveira, J. Componentes Flash. Revista W, N°68, Ano 6, p. 44-49. São Paulo, 2006.
Oliveira, J. MP3 Player Online. Revista W, N°67, Ano 6, p. 44-51. São Paulo, 2006.
Oliveira, J. Personalizando Imagens com o ASP. Revista W, N°66, Ano 6, p. 52-56. São Paulo, 2005.

Languages

Portuguese - Native
English - Intermediate
Spanish - Elementary

Software and Languages

Specialties: COBOL, JCL, Java, PHP and Python.
Basic knowledge in Linux, Shell Script and C.
Databases: MySQL, SQLServer, PostGreSQL, DB2 and VSAM File.
Knowledge: Forense, Information Security and CyberSecurity.