David Silva

Lisboa, Portugal

+351 965304746
david@davidafsilva.pt
http://davidafsilva.pt

"Try not to become a man of success but a man of value." - Albert Einstein

About

I'm a passionate software developer, which has over time gained more and more of an interest for both software architecture and security. I'm both curiosity and challenge driven, as well as a honest and calm type of a person.
Having a high motivation and learning capacity, i can easily adapt and overcome adverse situations. Nevertheless, i certainly enjoy working in a healthy and innovative work environment.

My areas of expertise are the following:

- Software Development
- Software Architecture
- Software Security

Professional Experience

Apr 2013 → present	**Software Engineer & Security Architect, Coriant, Portugal**
	I'm currently developing and architecting software modules that provide a set of key services for a *Software Defined Networks* (SDN) platform. Moreover, i am also responsible for defining and implementing security requirements targeting the same platform.
Technologies	*Java, Spring, JPA/Hibernate, Maven, git*
Jan 2013 → Apr 2013	**Software Engineer, Nokia Siemens Networks, Portugal**
	Developed software for the Optical Networks area, focused on Routing and Wavelength Assignment (*RWA*) algorithms.
Technologies	*Java, Ecore/EMF, jBoss, OSGI, SVN*
Jul 2012 → Dec 2012	**Software Developer, Maxdata Informática, Portugal**
	Developed a major and innovative IT solution for health institutions. Focusing on core business work-flows and usability.
Technologies	*Google Web Toolkit* (GWT) (front-end), *Java, Spring, JPA/Hibernate, JavaCC/JJTree.*
Sep 2011 → Jun 2012	**Trainee, Maxdata Informática, Portugal**
	Developed an Epidemiological Surveillance IT solution, providing a dynamic and elastic software for both prevention and infection control. This topic was also the target of my MSc thesis.
	Additionally, i've done a security audit targeting a in-house developed CRM software.
Technologies	GWT (front-end), *Java, Spring, JPA/Hibernate, JavaCC/JJTree.*

Education

2010 → 2012	MSc in Computer Science - Computer Systems, Architecture and Networks, Faculty of Sciences of the University of Lisbon, Portugal.
2005 → 2010	BSc in Computer Science, Faculty of Sciences of the University of Lisbon, Portugal.

Free Courses

Jun/2015 → Aug/2015	Software Security, University of Maryland.
Sep/2014 → Dez/2014	Programming Cloud Services for Android Handheld Systems, University of Maryland.
Mar/2014 → Jun/2014	Programming Mobile Applications for Android Handheld Systems, University of Vanderbilt.
Dec/2013 → Feb/2014	Creative, Serious and Playful Science of Android Apps, University of Illinois at Urbana-Champaign.
Jun/2013 → Aug/2013	Malicious Software and its Underground Economy: Two Sides to Every Story, University of London.
Apr/2013 → Jul/2013	Introduction to Data Science, University of Washington.
Mar/2013 → Jun/2013	An Introduction to Interactive Programming in Python, Rice University.
Jan/2013 → Mar/2013	Cryptography I, Stanford University.
Jan/2013 → Mar/2013	Building an Information Risk Management Toolkit, University of Washington.
Jan/2013 → Mar/2013	Information Security and Risk Management in Context, University of Washington.

Personal projects

Most of my *pet* projects are publicly available at github. The main technologies you'll find are *Java* and *python*.

Technologies

My main programming language is *Java*. Nevertheless i am also fluent in other programming languages such as *C*, *Python*, *Shell scripting*, *JavaScript*, *HTML* and *PHP*.
I have experience with Oracle SQL Server, PostgreSQL, MySQL and H2.
I have experience with *CVS*, *SVN* and *Git* as version control systems.

Languages

Portuguese	Native
English	Fluent

References and additional information are available upon request.