

Stefano Cicero

JUNIOR CONSULTANT · EMBEDDED SOFTWARE ENGINEER

✉ stefano.cicero@me.com | 🌐 www.stefanocicero.it | 📧 stecicero | 🌐 stefanocicero

Experience

AKKA Technologies

Pisa, Italy

JUNIOR CONSULTANT & EMBEDDED SOFTWARE ENGINEER

Sept. 2018 - PRESENT

- Conducted firmware qualification.
- Development and improvement of software tools used during qualification activities.
- Drafting software documentation.

NIC .IT

Pisa, Italy

WEB DEVELOPER & SYSTEM ADMINISTRATOR

2012 - 2015

- Installation, configuration and administration of a multiplatform cloud storage for the .it Registry employees.
- Securing web sites hosted on a compromised server by migrating them on a clean machine and applying a designed security policy.
- Developed the whole frontend of the "SmartPA" web application, which includes interactive maps and charts.
- Developed a software to monitor DNS queries received by nodes of the .it Registry.
- Wordpress customizations: developed custom plugins, customized a Wordpress multisite installation in order to allow employees to create their own website with few clicks.
- Deployment and administration of a Samba, AFP and SFTP server.
- Data filtering and analysis on the database of the .it domain names.
- Administration of virtual machines for web hosting.

Education

University of Pisa

Pisa, Italy

MASTER DEGREE IN COMPUTER ENGINEERING (110/110)

Oct. 2011 - Dec. 2018

Thesis: "Development and Evaluation of an Attack Detection System in a Computer Network". The course further advances my knowledge portfolio, in both the fundamental sciences and the engineering disciplines. This allow me to interact with engineering professionals from all different backgrounds, as well as to complete their mastering of computer engineering. The course includes a first part which goes in-depth into engineering disciplines and completes the expertise on methodological disciplines and informatics. After that, the following subjects are:

- network applications and system security
- design of mobile applications
- systems architecture and commercial tools for web-based services
- intelligent systems and decision-support systems.

A comprehensive list of the project I worked on during my studies is available on my personal website.

University of Pisa

Pisa, Italy

BACHELOR DEGREE IN COMPUTER ENGINEERING (92/110)

Sept. 2006 - Oct. 2011

I acquired knowledge of methodological aspects of mathematics and basic disciplines to understand and provide appropriate solutions to engineering problems. During the Curriculum in Computer Engineering I developed professionally with solid fundamentals and multidisciplinary skills ranging from electronics, circuit theory, systems theory, computer science, telecommunications, control theory, economics.

Skills

OS	macOS, iOS, Linux, Windows
Programming	Java, C, C++, Python, PHP, Assembly, Swift
Dev. Environment	XCode, IntelliJ IDEA, Eclipse, Pycharm, Visual Studio
Version Control System	GIT
Web Design	HTML5, CSS3, XML, JavaScript, JQuery
Database	MySQL
Web Server	Apache
Framework	Play 2, OMNeT++
CMS	Wordpress, Moodle
HDL	VHDL
Req. Management Tool	DOORS
PLM	Windchill

Publications

SmartPA: Real Time Analysis and Monitoring of Italian Public Administration Websites

S. CICERO, F. DONINI, M. MARTINELLI, L. VASARELLI, METTEG

Udine, Italy

Sept. 2014

Languages

Italian Native

English Professional working proficiency

Personal Skills

- Ability to work in a team.
- Critical thinking.
- Problem solving.