

# Francesco Soncina

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## *Curriculum Vitæ*

### Education

2010–2013 **Computer Science**, University of Bologna, *102*.  
Bachelor degree

### Thesis

Title *IEEE 802.21: Media Independent Handover*  
Supervisor Prof. Vittorio Ghini  
Class Computer Network  
Subject

- Standard IEEE 802.21
- Analysis of open-source implementation ODTONE
- Development of HA simplex/full-duplex proxy on top of ODTONE

### Talks

2016 / 03 How to Be a Full Stack Developer with LoopBack, JSPM and Angular2 @ TIM  
WCAP for BolognaJS – <http://slides.com/phra/full-stack>

### Awards and Honors

2016 / 04 8th @ CTF "Hands off my money" – 265 – <http://ctf.shielder.it/scoreboard>  
2013 / 05 Test TECO – 1225  
2013 / 01 Scholarship  
2012 / 11 English B1  
2012 / 01 Scholarship  
2011 / 01 Scholarship

### Foreign languages

Italian **Native**  
English **Proficient**

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## Work experiences

- 2016/02 – **Full Stack Developer**, ESIS, Bologna.  
present
  - JavaScript Specialist
  - Lecturer
- 2014/07 – **IT Consultant**, ALTEN, Bologna, @ UniCredit Group.  
2015/05
  - Analysis
    - Requirements gathering
    - Requirements analysis
    - E/R and workflow specs
  - Development
    - Development of a prototypal solution based on JavaEE + Struts2 + Hibernate stack
  - Functional
    - Progress of work monitoring
    - Feature validation
  - UAT:
    - Writing of User Acceptance Test specs
  - Testing / QA
    - Tickets management
    - Project Manager support
    - Validation of bugs resolutions
    - Deployment requests management
  - Customer Support
    - Tickets management

## Miscellaneous

- 2014 / 03 **Part-time**, *University of Bologna*.  
2012 / 07 **Part-time**, *University of Bologna*.

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## Skills

DevOps	SysAdmin, Provisioning, Continuous integration, Continuous delivery
Languages	Bash, JavaScript, Python, SQL, HTML5, CSS3, C, C++, Java, $\text{\LaTeX}$
JavaScript	ES5, ES2015, ES2017, Angular1, Angular2, LoopBack
Applications	Nginx, PostgreSQL, NodeJS, MySQL, Apache, Postfix, Jenkins, Atlassian
DVCS	Git
Misc	ViM, Tmux
Management	Team leading, Scrum
Pentesting	Nmap, Sqlmap, BeEF, DirBuster, Burp, MetaSploit
Daily distro	Debian

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## Projects

- 2014 / 03 **Thesis**  
Cross-platform Multi-network High-Availability Full-duplex Proxy [C++ / Boost]
- 2014 / 01 **Virtualization class project**  
UMView partial virtual machine module for monitoring of network connections [C]

- 2013 / 11 **Android application *Trovatutto***  
Collaborative application for geolocation of shops, services, etc [Java (Android), Python, SQL (PostgreSQL)]
- 2013 / 09 **Mobile application class project**  
Development of a cross-platform 2D mobile game based on LibGDX framework. *LibGDX* [Java (LibGDX)]
- 2013 / 07 **Software engineering class project**  
Browser-based car rental system [Java (GWT), SQL (postgresql)]
- 2012 / 09 **Operating system class project**  
Micro kernel for MIPS architecture [C]
- 2012 / 07 **Phoxy**  
TCP-to-UDP-to-TCP proxy w/ AES support [C]
- 2012 / 05 **Computer networks class project**  
TCP-to-UDP-to-TCP proxy [C]
- 2012 / 02 **Web Development class project**  
Browser based service for geolocating shops, pharmacies, etc [HTML5, CSS3, Javascript (jQuery), Python]

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## Interests

- Computer security
- Pentesting
- Forensics
- DevOps
- Rapid prototyping
- IT Automation