

# 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 / 09 Angular2 + Redux (ngrx/store) @ TIM WCAP for BolognaJS – <http://slides.com/phra/angular2-redux>  
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

2016/08 – **Full Stack Developer**, WONDERFLOW, Amsterdam.

- 2017/07
  - Frontend development with Angular
  - Backend development with NodeJS and GraphQL
  - Big Data with MongoDB
  - DevOps with Ansible
  - CI/CD with Jenkins
  - SysAdmin
  - Security Assessment

2016/07 **Freelancer**, DiTECH, Bologna.

- Frontend development

2016/02 – **Full Stack Developer**, ESIS, Bologna.

- 2016/07
  - 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

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|--------------|---|
| DevOps       | SysAdmin, Provisioning, Continuous integration, Continuous delivery |
| Languages    | Bash, JavaScript, Python, SQL, HTML5, CSS3, C, C++, Java, $\LaTeX$  |
| JavaScript   | ES5, ES2015, ES2016, ES2017, ESnext, Angular, React, LoopBack       |
| Applications | Nginx, NodeJS, Apache, Postfix, Jenkins, Atlassian                  |
| Databases    | MySQL, PostgreSQL, MongoDB, Cassandra                               |
| DVCS         | Git   |
| Misc         | ViM, Tmux   |

– Amsterdam, NL

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Management Team leading, Scrum  
Pentesting Nmap, Sqlmap, BeEF, DirBuster, Burp, MetaSploit  
Daily distro Debian

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## Projects

- 2015 **Startup Idea**  
Online Grocery Delivery Service [NodeJS / Angular]
- 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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## Communication Skills

Technical Talks

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## Interests

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

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