

# Francesco Soncina

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## Curriculum Vitæ

### Intro

#### Who am I?.

I got the Bachelor Degree at University of Bologna. I'm a JavaScript enthusiast and I'm working as Full Stack JavaScript Developer. I'm really interested in Functional Reactive Programming, Agile Development, Development Operations, System Administration, Research and Development, High Availability - Fault Tolerance Distributed Systems. I also enjoy having talks about new design pattern and bleeding-edge technologies. In spare time I also experiment with Computer Security and Penetration Testing.

### 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

– Amsterdam, NL

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2012 / 01 Scholarship  
2011 / 01 Scholarship

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## 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

DevOps SysAdmin, Provisioning, Continuous integration, Continuous delivery

– Amsterdam, NL

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Languages JavaScript, Python, SQL, HTML5, CSS3, C, C++, Java,  $\LaTeX$   
 JavaScript NodeJS, ES5, ES2015, ES2017, ES\*  
 Frameworks Angular 1/2+, React, GraphQL, LoopBack  
 Applications Nginx, NodeJS, Apache, Postfix, Jenkins, Atlassian, Docker  
 Databases MySQL, PostgreSQL, MongoDB, Cassandra  
 DVCS Git  
 Misc ViM, Tmux, Bash, Fish  
 Management Team leading, Scrum  
 Pentesting Nmap, Sqlmap, BeEF, DirBuster, Burp, MetaSploit  
 Daily distro Debian

## 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]

## Communication Skills

Technical Talks

## Interests

- Computer security

– Amsterdam, NL

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

– Amsterdam, NL

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