Francesco Soncina

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**

Work experiences

2016/08 –
2017/07 **Full Stack Developer**, WONDERFLOW, Amsterdam.
- 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 –
2016/07 **Full Stack Developer**, ESIS, Bologna.
- JavaScript Specialist
- Lecturer

2014/07 –
2015/05 **IT Consultant**, ALTEN, Bologna, @ UniCredit Group.
- 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*.

Skills

DevOps	SysAdmin, Provisioning, Continous integration, Continous delivery
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 Grorecy Delivery Service [NodeJS / Angular]

2014 / 03   **Thesis**
Cross-platform Multi-network High-Availibilty 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
- Pentesting
- Forensics
- DevOps
- JavaScript
- Rapid prototyping
- IT Automation