GIACOMO TAGLIABUE

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Hi, I am Giacomo, a full stack developer, I like crafting software that matters. I am interested in the web, programming language theory and software architecture.

TECHNOLOGIES AND SKILLS

I am <u>very good</u> at: C#, .NET, REST services, OOP, automated testing.
I am <u>quite good</u> at: ES6/Typescript, AngularJS, node, functional programming, SQL.
I am <u>good</u> at: CSS3, SASS, HTML5, NoSQL.
I am a <u>beginner</u> at: Scala, react, F#, C++.
Some tools and practices I use on a daily basis: grunt, gulp, Continuous Integration, git, github-flow, bash/zsh, powershell, Visual Studio, Sublime Text.

The rest, I hope to learn one day.

WORKING EXPERIENCE

Software Engineer – Hyla Soft – 2013-today
I am currently working as a software engineer at Hyla Soft. I mainly focus on building web application for custom solutions and I supervise the software development process and standards company-wise, trying to leverage the new web technologies in an enterprise context. These are some project and initiatives I led:

- <u>JSM (2014)</u>: Design and implementation of an order management system for small part manufacturing shop floors, focused on simplicity, ease of use and configuration, high modularity and extensibility, modern web interface
    - Commissioned by a software vendor, it integrates and ships with their flagship product
    - Technologies used: C#, ASP.NET WebApi, MSSQL, Typescript, SASS/Compass, Bootstrap, Grunt, Bower
- <u>SPOM (2014)</u>: Design and implementation of a system to manage and monitor operations in an oil and lubricant manufacturing company
    - integration of different systems and protocols: ERP, Machine controllers (through OPC).
    - Technologies used: C#, ServiceStack, MSSQL, Typescript, SASS, Angular Material, Gulp, Grunt, Bower, Appveyor CI, electron
- <u>Hyla Soft SW Development Initiative</u>: I helped Hyla Soft to improve the results of their software development projects, by fostering best practices, standard tools and products, an healthy engineering culture, and modernizing the technological stack.
    - The results are partly summarized in these slides: goo.gl/cCXYfW

Research Assistant – DARPA / University of Illinois at Chicago – 2012-2013
Employed in DARPA's CSFV (Crowd Sourced Formal Verification) Project. CSFV investigates extensions of compilers' optimizations using formal verification. Technology used: C++, LLVM-CLANG infrastructure, Z3 SAT solver

EDUCATION

Master of Science Degree in Engineering of Computing Systems

Politecnico di Milano – Milano, Italy – GPA 28/30

Master of Science Degree in Computer Science

University of Illinois at Chicago – Chicago, Illinois – GPA 3.85

Bachelor of Science Degree in Engineering of Computing Systems

Politecnico di Milano – Milano Italy

Master thesis: An Annotation Framework for the LLVM Compiler Infrastructure

Available at https://github.com/itajaja/thesis

Supervisor: Lenore Zuck (reference: lenore@uic.edu)

PERSONAL PROJECTS

h-opc https://github.com/hylasoft-usa/h-opc

OPC made simpler. For UA and DA.

markdawn https://github.com/itajaja/markdawn

markdown for paged documents. This very resume is built with markdawn.

h-dependency https://github.com/hylasoft-usa/h-dependency

Dead Simple dependency mechanism provider to achieve loose coupling and easy mocking.

cs-boilerplate https://github.com/hylasoft-usa/cs-boilerplate

A boilerplate set of grunt tasks for .NET applications to enforce coding standards among all the company's project.

--built with markdawn