

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 very good at: C#, .NET, REST services, OOP, automated testing.

I am quite good at: ES6/Typescript, AngularJS, node, functional programming, SQL.

I am good at: CSS3, SASS, HTML5, NoSQL.

I am a beginner 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:

- JSM (2014): 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
- SPOM (2014): 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
- Hyla Soft SW Development Initiative: 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: <https://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 markdown.

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.