

## Profile

### Corrado Masciullo agile web developer

born in Maglie (LE) on May 26, 1977

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[corrado.masciullo@gmail.com](mailto:corrado.masciullo@gmail.com)

I am a passionate freelance Ruby developer with 8 years of experience in structuring, developing and implementing web applications with the popular framework RubyOnRails. I gained experience in all major aspects of software development life cycle, from testing to deployment, in which I feel very skilled and confident. I am now oriented towards client-side development which I look forward to put in practice at professional level.

## Professional experiences

### *Web Developer, Db Manager*

#### **IRCSS SAN RAFFAELE - MILAN - JAN 2007 - TODAY**

Design and development of IT infrastructures needed to support the research activities in the context of genetic studies typically characterised by long calculations on large amounts of data. To this end, as developer, I have dealt mainly with the creation of multi-user web interface (for the control of data, including sensitive, and process analysis), the database design (for the management of genotypes, phenotypes, genealogies and biological samples) and, finally, the development of complex pipelines of analysis to be executed on remote clusters.

### *Web Developer*

#### **BIOMERIS S.R.L. - PAVIA - MARCH 2013 - MAY 2014**

Collaboration project work for the extraction of the biobanks management module from the larger RubyOnRails project *VIPP* (previously developed at IRCSS San Raffaele) in order to create a commercial product: *Biobank Manager*

### *Web Developer*

#### **AGENZIA IGC S.A.S (ON BEHALF OF EXPEDIA SPA) - MILAN - JUN 2009 - JAN 2010**

Design and development of the RubyOnRails web application *Emailger* (Bulk Email Software).

### *Second Level Technical Support Representative*

#### **BRITISH TELECOM - CLIENTLOGIC - DUBLIN - OCT 2006 - JAN 2007**

Dealing with Customers' broadband connection technical issues on telephone and through remote assistance. High Level Complaints handling.

### *Customer Service And Sales Agent*

#### **BARCLAYCARD INTERNATIONAL - DUBLIN - JAN 2006 - AGO 2006**

Dealing with Customers' issues on telephone. Sales. Customers database Internet updating. Complaints handling.

### *Trainer And Technician*

#### **C. & C. INFORMATICA - MARTANO - JUN 2002 - AGO 2005 (SUMMERS)**

Computer sell; upgrades and repairs; trainings.

## Education

Apr 2005 - **Degree in Computer Engineering** at University of Pavia with evaluation 105/110

Jun 1997 - Diploma in Accounting at Commercial Technical Institute of Maglie with evaluation 45/60

## Professional skills and competences

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### *Programming Languages*

Mainly Ruby but also Javascript, Java, C

### *Web Applications Development*

Excellent knowledge of the MVC architecture, particularly the Ruby on Rails framework along with the popular development and support methodologies connected to it: *AJAX* techniques, *RESTful* API development, *TDD* and *BDD* approaches, continuous deployment, development and production environments setup. Finally, notions but strong interest in MV\* JS frameworks and libraries like *Ember.js* and *React.js*.

### *Libraries Development*

I like to modularise large applications by developing the components separately in the form of open-source libraries accompanied by documentation and testing. They are written mostly in Ruby (as *rubygems*) and published on github. (<https://github.com/masciugo>)

### *Websites Development*

I am not a designer but I can merge my knowledge as web developer with the great amount of shared template and theme resources to build simple static website like my personal one

### *Databases*

Excellent knowledge of relational databases, particularly MySQL, and document like Mongo db

### *Tools*

Bootstrap, Git, Middleman, SVN, Capistrano, Sublime Text, Vim, RSpec, Cucumber

### *Operating Systems*

Linux and unix-like os' like Mac Os X. Windows if necessary

### *Other*

HTML5, CSS3, UML, Assembler, AWK, MATLAB

## Personal skills and competences

I have a great propensity to organise and manage processes, both at work and personally, with particular attention to the design phase, the optimisation of resources and the quality of the results. I love to learn new knowledge and skills, which I have never stopped doing, and share mine. Finally, thanks to my experience abroad, where I worked and lived in multicultural environments, I learned to face with very different people knowing better myself and gaining confidence and determination as a team member.

I speak Italian and English fluently

## Interests

I like jazz, photography and cooking, disciplines that involve technique, quality and creativity: virtues that I consider essential for my profession as a developer.

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## Publications

Follow the publications to which I attended in my research activity at IRCCS San Raffaele:

### 2014

1. Medici M, Porcu E, Pistis G, Teumer A, Brown SJ, Jensen RA, Rawal R, Roef GL, Plantinga TS, Vermeulen SH, Lahti J, Simmonds MJ, Husemoen LL, Freathy RM, Shields BM, Pietzner D, Nagy R, Broer L, Chaker L, Korevaar TI, Plia MG, Sala C, Völker U, Richards JB, Sweep FC, Gieger C, Corre T, Kajantie E, Thuesen B, Taes YE, Visser WE, Hattersley AT, Kratzsch J, Hamilton A, Li W, Homuth G, Lobina M, Mariotti S, Soranzo N, Cocca M, Nauck M, Spielhagen C, Ross A, Arnold A, van de Bunt M, Liyanarachchi S, Heier M, Grabe HJ, Masciullo C, Galesloot TE, Lim EM, Reischl E, Leedman PJ, Lai S, Delitala A, Bremner AP, Philips DI, Beilby JP, Mulas A, Vocale M, Abecasis G, Forsen T, James A, Widen E, Hui J, Prokisch H, Rietzschel EE, Palotie A, Feddema P, Fletcher SJ, Schramm K, Rotter JI, Kluttig A, Radke D, Traglia M, Surdulescu GL, He H, Franklyn JA, Tiller D, Vaidya B, de Meyer T, Jørgensen T, Eriksson JG, O'Leary PC, Wichmann E, Hermus AR, Psaty BM, Ittermann T, Hofman A, Bosi E, Schlessinger D, Wallaschofski H, Pirastu N, Aulchenko YS, de la Chapelle A, Netea-Maier RT, Gough SC, Meyer Zu Schwabedissen H, Frayling TM, Kaufman JM, Linneberg A, Räikkönen K, Smit JW, Kiemeny LA, Rivadeneira F, Uitterlinden AG, Walsh JP, Meisinger C, den Heijer M, Visser TJ, Spector TD, Wilson SG, Völzke H, Cappola A, Toniolo D, Sanna S, Naitza S, Peeters RP. (2014) 'Identification of novel genetic loci associated with thyroid peroxidase antibodies and clinical thyroid disease' PLoS Genet. 2014 Feb 27;10(2):e1004123. doi: 10.1371/journal.pgen.1004123. eCollection 2014

### 2013

2. Pistis G, Okonkwo SU, Traglia M, Sala C, Shin SY, Masciullo C, Buetti I, Massacane R, Mangino M, Thein SL, Spector TD, Ganesh S, Pirastu N, Gasparini P, Soranzo N, Camaschella C, Hart D, Green MR, Toniolo D. (2013) 'Genome Wide Association Analysis of a Founder Population Identified TAF3 as a Gene for MCHC in Humans.' PLoS One. 2013 Jul 31;8(7):e69206. doi: 10.1371/journal.pone.0069206. Print 2013

3. Porcu E, Medici M, Pistis G, Volpato CB, Wilson SG, Cappola AR, Bos SD, Deelen J, den Heijer M, Freathy RM, Lahti J, Liu C, Lopez LM, Nolte IM, O'Connell JR, Tanaka T, Trompet S, Arnold A, Bandinelli S, Beekman M, Böhringer S, Brown SJ, Buckley BM, Camaschella C, de Craen AJ, Davies G, de Visser MC, Ford I, Forsen T, Frayling TM, Fugazzola L, Gögele M, Hattersley AT, Hermus AR, Hofman A, Houwing-Duistermaat JJ, Jensen RA, Kajantie E, Kloppenburg M, Lim EM, Masciullo C, Mariotti S, Minelli C, Mitchell BD, Nagaraja R, Netea-Maier RT, Palotie A, Persani L, Piras MG, Psaty BM, Räikkönen K, Richards JB, Rivadeneira F, Sala C, Sabra MM, Sattar N, Shields BM, Soranzo N, Starr JM, Stott DJ, Sweep FC, Usala G, van der Klauw MM, van Heemst D, van Mullem A, Vermeulen SH, Visser WE, Walsh JP, Westendorp RG, Widen E, Zhai G, Cucca F, Deary IJ, Eriksson JG, Ferrucci L, Fox CS, Jukema JW, Kiemeny LA, Pramstaller PP, Schlessinger D, Shuldiner AR, Slagboom EP, Uitterlinden AG, Vaidya B, Visser TJ, Wolfenbutter BH, Meulenberg I, Rotter JI, Spector TD, Hicks AA, Toniolo D, Sanna S, Peeters RP, Naitza S. (2013) 'A meta-analysis of thyroid-related traits reveals novel loci and gender-specific differences in the regulation of thyroid function' PLoS Genet. 2013;9(2):e1003266. doi: 10.1371/journal.pgen.1003266. Epub 2013 Feb 7.

4. Perry JR, Corre T, Esko T, Chasman DI, Fischer K, Franceschini N, He C, Kutalik Z, Mangino M, Rose LM, Vernon Smith A, Stolk L, Sulem P, Weedon MN, Zhuang WV, Arnold A, Ashworth A, Bergmann S, Buring JE, Burri A, Chen C, Cornelis MC, Couper DJ, Goodarzi MO, Gudnason V, Harris T, Hofman A, Jones M, Kraft P, Launer L, Laven JS, Li G, McKnight

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B, Masciullo C, Milani L, Orr N, Psaty BM; ReproGen Consortium, Ridker PM, Rivadeneira F, Sala C, Salumets A, Schoemaker M, Traglia M, Waeber G, Chanock SJ, Demerath EW, Garcia M, Hankinson SE, Hu FB, Hunter DJ, Lunetta KL, Metspalu A, Montgomery GW, Murabito JM, Newman AB, Ong KK, Spector TD, Stefansson K, Swerdlow AJ, Thorsteinsdottir U, Van Dam RM, Uitterlinden AG, Visser JA, Vollenweider P, Toniolo D, Murray A. (2013) 'A genome-wide association study of early menopause and the combined impact of identified variant's. *Hum Mol Genet.* 2013 Apr 1;22(7):1465-72. doi: 10.1093/hmg/dd551. Epub 2013 Jan 9

5. Martinelli N, Traglia M, Campostrini N, Biino G, Corbella M, Sala C, Busti F, Masciullo C, Manna D, Previtali S, Castagna A, Pistis G, Olivieri O, Toniolo D, Camaschella C, Girelli D. (2013) 'Increased Serum Hepcidin Levels in Subjects with the Metabolic Syndrome: A Population Study.' *PLoS One.* 2013 Jun 26;8(6). doi: 10.1371/annotation/233a5ac3-8118-4bdc-a139-950223506864. Print 2013

## 2012

6. Campostrini N, Traglia M, Martinelli N, Corbella M, Cocca M, Manna D, Castagna A, Masciullo C, Silvestri L, Olivieri O, Toniolo D, Camaschella C, Girelli D. (2012) 'Serum levels of the hepcidin-20 isoform in a large general population: The Val Borbera study' *J Proteomics.* 2012 Aug 21. doi: 10.1016/j.jprot.2012.08.006

7. McQuillan R, Eklund N, Pirastu N, Kuningas M, McEvoy BP, Esko T, Corre T, Davies G, Kaakinen M, Lyytikäinen LP, Kristiansson K, Havulinna AS, Gögele M, Vitart V, Tenesa A, Aulchenko Y, Hayward C, Johansson A, Boban M, Ulivi S, Robino A, Boraska V, Igl W, Wild SH, Zgaga L, Amin N, Theodoratou E, Polašek O, Girotto G, Lopez LM, Sala C, Lahti J, Laatikainen T, Prokopenko I, Kals M, Viikari J, Yang J, Pouta A, Estrada K, Hofman A, Freimer N, Martin NG, Kähönen M, Milani L, Heliövaara M, Vartiainen E, Räikkönen K, Masciullo C, Starr JM, Hicks AA, Esposito L, Kolčić I, Farrington SM, Oostra B, Zemunik T, Campbell H, Kirin M, Pehlic M, Faletra F, Porteous D, Pistis G, Widén E, Salomaa V, Koskinen S, Fischer K, Lehtimäki T, Heath A, McCarthy MI, Rivadeneira F, Montgomery GW, Tiemeier H, Hartikainen AL, Madden PA, d'Adamo P, Hastie ND, Gyllenstein U, Wright AF, van Duijn CM, Dunlop M, Rudan I, Gasparini P, Pramstaller PP, Deary IJ, Toniolo D, Eriksson JG, Jula A, Raitakari OT, Metspalu A, Perola M, Järvelin MR, Uitterlinden A, Visscher PM, Wilson JF; ROHgen Consortium (2012) 'Evidence of Inbreeding Depression on Human Height'. *PLoS Genet* 8(7): e1002655. doi:10.1371/journal.pgen.1002655

8. Stolk L, Perry JR, Chasman DI, He C, Mangino M, Sulem P, Barbalic M, Broer L, Byrne EM, Ernst F, Esko T, Franceschini N, Gudbjartsson DF, Hottenga JJ, Kraft P, McArdle PF, Porcu E, Shin SY, Smith AV, van Wingerden S, Zhai G, Zhuang WV, Albrecht E, Alizadeh BZ, Aspelund T, Bandinelli S, Lauc LB, Beckmann JS, Boban M, Boerwinkle E, Broekmans FJ, Burri A, Campbell H, Chanock SJ, Chen C, Cornelis MC, Corre T, Coviello AD, d'Adamo P, Davies G, de Faire U, de Geus EJ, Deary IJ, Dedoussis GV, Deloukas P, Ebrahim S, Eiriksdottir G, Emilsson V, Eriksson JG, Fauser BC, Ferrel L, Ferrucci L, Fischer K, Folsom AR, Garcia ME, Gasparini P, Gieger C, Glazer N, Grobbee DE, Hall P, Haller T, Hankinson SE, Hass M, Hayward C, Heath AC, Hofman A, Ingelsson E, Janssens AC, Johnson AD, Karasik D, Kardia SL, Keyzer J, Kiel DP, Kolcic I, Kutalik Z, Lahti J, Lai S, Laisk T, Laven JS, Lawlor DA, Liu J, Lopez LM, Louwers YV, Magnusson PK, Marongiu M, Martin NG, Klaric IM, Masciullo C, McKnight B, Medland SE, Melzer D, Mooser V, Navarro P, Newman AB, Nyholt DR, Onland-Moret NC, Palotie A, Paré G, Parker AN, Pedersen NL, Peeters PH, Pistis G, Plump AS, Polasek O, Pop VJ, Psaty BM, Räikkönen K, Rehnberg E, Rotter JI, Rudan I, Sala C,

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Salumets A, Scuteri A, Singleton A, Smith JA, Snieder H, Soranzo N, Stacey SN, Starr JM, Stathopoulou MG, Stirrups K, Stolk RP, Stykarsdottir U, Sun YV, Tenesa A, Thorand B, Toniolo D, Tryggvadottir L, Tsui K, Ulivi S, van Dam RM, van der Schouw YT, van Gils CH, van Nierop P, Vink JM, Visscher PM, Voorhuis M, Waeber G, Wallaschofski H, Wichmann HE, Widen E, Wijnands-van Gent CJ, Willemsen G, Wilson JF, Wolffenbuttel BH, Wright AF, Yerges-Armstrong LM, Zemunik T, Zgaga L, Zillikens MC, Zygmont M, Study TL, Arnold AM, Boomsma DI, Buring JE, Crisponi L, Demerath EW, Gudnason V, Harris TB, Hu FB, Hunter DJ, Launer LJ, Metspalu A, Montgomery GW, Oostra BA, Ridker PM, Sanna S, Schlessinger D, Spector TD, Stefansson K, Streeten EA, Thorsteinsdottir U, Uda M, Uitterlinden AG, van Duijn CM, Völzke H, Murray A, Murabito JM, Visser JA, Lunetta KL (2012) 'Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways'. *Nat Genet.* 2012 Jan 22;44(3):260-8. doi: 10.1038/ng.1051.

## 2011

9. Wain LV, Verwoert GC, O'Reilly PF, Shi G, Johnson T, Johnson AD, Bochud M, Rice KM, Henneman P, Smith AV, Ehret GB, Amin N, Larson MG, Mooser V, Hadley D, Dörr M, Bis JC, Aspelund T, Esko T, Janssens AC, Zhao JH, Heath S, Laan M, Fu J, Pistis G, Luan J, Arora P, Lucas G, Pirastu N, Pichler I, Jackson AU, Webster RJ, Zhang F, Peden JF, Schmidt H, Tanaka T, Campbell H, Igl W, Milaneschi Y, Hottenga JJ, Vitart V, Chasman DI, Trompet S, Bragg-Gresham JL, Alizadeh BZ, Chambers JC, Guo X, Lehtimäki T, Kühnel B, Lopez LM, Polašek O, Boban M, Nelson CP, Morrison AC, Pihur V, Ganesh SK, Hofman A, Kundu S, Mattace-Raso FU, Rivadeneira F, Sijbrands EJ, Uitterlinden AG, Hwang SJ, Vasan RS, Wang TJ, Bergmann S, Vollenweider P, Waeber G, Laitinen J, Pouta A, Zitting P, McArdle WL, Kroemer HK, Völker U, Völzke H, Glazer NL, Taylor KD, Harris TB, Alavere H, Haller T, Keis A, Tammesoo ML, Aulchenko Y, Barroso I, Khaw KT, Galan P, Hercberg S, Lathrop M, Eyheramendy S, Org E, Söber S, Lu X, Nolte IM, Penninx BW, Corre T, Masciullo C, Sala C, Groop L, Voight BF, Melander O, O'Donnell CJ, Salomaa V, d'Adamo AP, Fabretto A, Faletra F, Ulivi S, Del Greco F, Facheris M, Collins FS, Bergman RN, Beilby JP, Hung J, Musk AW, Mangino M, Shin SY, Soranzo N, Watkins H, Goel A, Hamsten A, Gider P, Loitfelder M, Zeginigg M, Hernandez D, Najjar SS, Navarro P, Wild SH, Corsi AM, Singleton A, de Geus EJ, Willemsen G, Parker AN, Rose LM, Buckley B, Stott D, Orru M, Uda M; LifeLines Cohort Study, van der Klauw MM, Zhang W, Li X, Scott J, Chen YD, Burke GL, Kähönen M, Viikari J, Döring A, Meitinger T, Davies G, Starr JM, Emilsson V, Plump A, Lindeman JH, Hoen PA, König IR; EchoGen consortium, Felix JF, Clarke R, Hopewell JC, Ongen H, Breteler M, Debette S, Destefano AL, Fornage M; AortaGen Consortium, Mitchell GF; CHARGE Consortium Heart Failure Working Group, Smith NL; KidneyGen consortium, Holm H, Stefansson K, Thorleifsson G, Thorsteinsdottir U; CKDGen consortium; Cardiogenics consortium; CardioGram, Samani NJ, Preuss M, Rudan I, Hayward C, Deary IJ, Wichmann HE, Raitakari OT, Palmas W, Kooner JS, Stolk RP, Jukema JW, Wright AF, Boomsma DI, Bandinelli S, Gyllenstein UB, Wilson JF, Ferrucci L, Schmidt R, Farrall M, Spector TD, Palmer LJ, Tuomilehto J, Pfeuffer A, Gasparini P, Siscovick D, Altshuler D, Loos RJ, Toniolo D, Snieder H, Gieger C, Meneton P, Wareham NJ, Oostra BA, Metspalu A, Launer L, Rettig R, Strachan DP, Beckmann JS, Witteman JC, Erdmann J, van Dijk KW, Boerwinkle E, Boehnke M, Ridker PM, Jarvelin MR, Chakravarti A, Abecasis GR, Gudnason V, Newton-Cheh C, Levy D, Munroe PB, Psaty BM, Caulfield MJ, Rao DC, Tobin MD, Elliott P, van Duijn CM (2011) 'Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure'. *Nat Genet.* 2011 Sep 11;43(10):1005-11. doi: 10.1038/ng.922.

10. Milani G, Masciullo C, Sala C, Bellazzi R, Buetti I, Pistis G, Traglia M, Toniolo D, Larizza C. (2011) 'Computer-based genealogy reconstruction in founder populations'. *J Biomed Inform.* 2011 Dec;44(6):997-1003.

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11. Traglia M, Girelli D, Biino G, Campostrini N, Corbella M, Sala C, Masciullo C, Viganò F, Buetti I, Pistis G, Cocca M, Camaschella C, Toniolo D. (2011) 'Association of HFE and TMPRSS6 genetic variants with iron and erythrocyte parameters is only in part dependent on serum hepcidin concentrations.' Association of HFE and TMPRSS6 genetic variants with iron and erythrocyte parameters is only in part dependent on serum hepcidin concentrations. *J Med Genet* 2011;48:629-634 doi:10.1136/jmedgenet-2011-100061

### 2010

12. La Marca A, Sighinolfi G, Traglia M, Argento C, Sala C, Masciullo C, Volpe A, Toniolo D. (2010) 'Normal serum levels of anti-Mullerian hormone in women with regular menstrual cycles'. *Reprod Biomed Online*. 2010 Oct;21(4):463-9.

### 2009

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