 Curriculum vitae

PERSONAL INFORMATION	**Raffaele Bua**

- 00044 Frascati (Italy)
- info@raffaelebua.eu
- http://raffaelebua.eu
- Skype raffaelebua

Sex Male | Date of birth 4 Jan 1985 | Nationality Italian

POSITION   Software Engineer

WORK EXPERIENCE

9 Dec 2014–Present   **Software Engineer**
Serco S.p.a.
Via Sciadonna 24, 00044 Frascati (Italy)
https://www.serco.eu/index.php/our-services/markets/space

- Responsibilities
  - **Software architect and developer for European Space Agency (ESA)**
  - **Lead programmer, GUI client (SPA) Architect and developer**

- Skills
  - Javascript, Python, Java, Spring, RESTful, Remote Sensing, GIS, OpenLayers, ECMAScript6, Web Workers, Web Storage, Angular, Web Components, Polymer 1.0, Grunt, Gulp, HTML5, CSS3, Bootstrap 3, Bower, Npm, Data dissemination, XML, OWL, Maven, Github, Jira, Linux, Docker
- Projects
  - ESA Data Hub System - https://goo.gl/CkirRV, portal: https://goo.gl/M2sxM7, code: https://goo.gl/JqZWsB
  - ESA Data Hub System GUI (AngularJS) - online: https://goo.gl/M2sxM7, code: https://goo.gl/xWE0EQ
  - ESA Web Components SPA Client (Polymer 1) - source code: https://goo.gl/3v4sBv documentation [draft]: https://goo.gl/FFWE2Q
  - DHuS Sentinel-2 satellite products ingestion, code: https://goo.gl/P4Tqt9

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  Business or sector Space

30 Oct 2014–Present   **Software Engineer**
Sardegna Clima - Non Profit Organization, Fonni (Italy)
www.sardegna-clima.it

- Responsibilities
  - **Software Architect and Developer**
  - **Thesis Tutor (University of Cassino)**
- Skills
  - Python, C/C++, Image Processing, GIS, GDAL, SQLAlchemy, Supervisord, Valgrind, Postgresql, Sphinx, Flask, Nginx, PHP5, MySQL, Javascript, Google Maps, Git, Github, Linux, Docker, Docker Compose, Android SDK, weather stations

- Projects
  - Satellite image processor: https://goo.gl/tNBcY0 code: https://goo.gl/snTyBk
  - Weather stations network web client: https://goo.gl/2KVvi8
  - Weather stations network backend: https://goo.gl/3zHcNV
  - Sardegna Clima Android Application: https://goo.gl/SAKgQu

Business or sector Meteorology and Climatology

6 Feb 2013–9 Dec 2014 — Freelancer Software Engineer

Raffaele Bua, Cagliari / Fonni / Vienna
http://raffaelebua.eu

- Responsibilities
  - Software Architect and Developer
- Skills
  - RESTful, PHP5, C, Python 2.7, RabbitMQ, Mysql, Angular, Node.js, DB Design, UX Design, Objective-C, Java, Linux, Git
- Projects
  - eMailChef: http://emailchef.com/
  - Turbo smtp Dashboard: http://goo.gl/ST1UMC
  - Book Explorer: http://goo.gl/FJjlRE

Business or sector Software Development

5 Nov 2012–5 Feb 2013 — Software Developer

Di-SiDE, Cagliari (Italy)
http://di-side.com/

- Responsibilities
  - Software developer in Agile Team
- Skills
  - Agile Software Development, PHP5, Synfony 2, Linux, Git

Business or sector Software Development

2 Jan 2012–19 Oct 2012 — Framework Software developer

modomodo s.r.l., Milan (Italy)
http://www.modomodo.com/

- Responsibilities
  - Development of a framework for Mobile Apps
- Skills
  - Agile Software Development, .net, C#, javascript, git

Business or sector Software Development

1 Mar 2011–30 Nov 2011 — Coder

Handcrafted Software s.r.l. / Black Sheep Lab s.r.l., Pisa / Venice (Italy)

- Skills
  - Objective-C, C/C++, Java, Tomcat, Mysql
- Projects
  - Backend of a newspaper mobile app

□ Rating and review system and tide prediction of a navigation iOS app: http://goo.gl/d7Qel2

Business or sector Software Development

20 Nov 2010–1 Mar 2011

Radio presenter

Radiocicletta, Pisa (Italy)
http://www.radiocicletta.it/

■ Responsibilities

□ Radio presenter

Business or sector Arts, entertainment and recreation

EDUCATION AND TRAINING

Oct 2004–Jul 2010

Bachelor's degree in Computer Science Engineering   Final mark: 109/110

University of Pisa, Pisa (Italy)

Thesis: **Parallel Computing**

15 Nov 2016–16 Nov 2016

GIS skills and the QGIS Desktop tool

Serco S.P.A., Frascati (Italy)

Learning about GIS and gaining competences for everyday use of GIS using QGIS.

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

English

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills   Very good comunication skills; English: Professional working proficiency

Job-related skills   Software Design, Python, Javascript, ECMAScript 6, Web Workers, Web Storage, Angular, Web Components, Polymer 1.0, HTML5, CSS3, Bootstrap 3, jQuery, Npm, Bower, Mocha, Open Layers 3, C/C++, Parallel Computing, GIS, GDAL, OpenLayers, Remote Sensing, RabbitMQ, XML, Ontology Web Language, Java, Spring, Maven, MYSQL, Postgres, RESTful, Testing, Algorithms, Linux, Docker, Git/Github, Agile Software Development

ADDITIONAL INFORMATION

Personal Skills   Lateral thinking. Passion of simple solutions to hard problems. Can do attitude.

Looking for something of new to learn, every day.

I love Open Source movement and clean code.

Interests   Violin, Yoga, Drawing, Computer science theory, Video Games.