

## 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 Engineer for European Space Agency (ESA)**
- **Lead programmer, Architect and developer**

## ■ Skills

- Python, Java, Spring, RESTful, Javascript, Remote Sensing, GIS, OpenLayers, Data dissemination, XML, OWL, Maven, Github, Jira, Linux, Docker

## ■ Projects

- ESA Data Hub System - online: <https://goo.gl/M2sxM7>, code: <https://goo.gl/JqZWsB>
- 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 - No Profit Organization, Fonni (Italy)

[www.sardegna-clima.it](http://www.sardegna-clima.it)

## ■ Responsibilities

- **Software Architect and Developer**
- **Thesis Tutor (University of Cassino)**

## ■ Skills

- C/C++, Python 2/3, Image Processing, GIS, GDAL, SQLAlchemy, Supervisor, Valgrind, Postgresql, Sphinx, Flask, Nginx, PHP5, MySQL, Javascript, Google Maps, Git, Github, Linux, Docker, Docker Compose, Android SDK

## ■ Projects

- Satellite image processor: <https://goo.gl/tNBcY0> code: <https://goo.gl/snTyBk>
- Sardegna Clima Backend Platform: <https://goo.gl/3zHcNV>
- Sardegna Clima Android Application: <https://goo.gl/SAKgQu>

Business or sector Meteorology

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/FJjIRE>

**Business or sector** Software Development

5 Nov 2012–5 Feb 2013

**Full-stack web developer**

Di-SiDE, Cagliari (Italy)

<http://di-side.com/>

- Responsibilities
  - Software developer in Agile Team
- Skills
  - Agile Software Development, PHP5, Symfony 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 - <http://goo.gl/BPNohZ>
  - 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	
English	B2	B2	B2	B2	B2

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 communication skills; English: Professional working proficiency

Job-related skills

Software Design, Python (2.7 & 3.4), C/C++, Parallel Computing, GIS, GDAL, OpenLayers, Remote Sensing, RabbitMQ, XML, Ontology Web Language, Java, Spring, Maven, MYSQL, Postgres, RESTful, Javascript, 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.