

## 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

- **Project Manager, Software architect, Lead programmer, Requirements definition, Technical documentation writing for European Space Agency (ESA) projects**

## ■ Skills

- Project Management in Agile Environment, Software Design, Javascript, Python, Java, Spring, RESTful, Remote Sensing, GIS, Angular, Polymer 1.0, Data dissemination, OWL, Github, Jira, Linux, Docker

## ■ Projects

- ESA Data Hub System - <https://goo.gl/CkirRV>, portal: <https://goo.gl/M2sxMZ>, code: <https://goo.gl/JqZWsb>
- European Commission data dissemination statistics dashboard
- ESA Web Components SPA Client - source code <https://goo.gl/odHryZ> documentation: <https://goo.gl/rU2NmH>, portal: <https://goo.gl/ptkebt>
- DHuS Sentinel-2 satellite products ingestion, code: <https://goo.gl/P4Tqt9>

Business or sector Space

6 Feb 2013–9 Dec 2014

## Freelancer Software Engineer

Raffaele Bua, Cagliari / Fonni / Vienna

<http://raffaelebua.eu>

## ■ Responsibilities

- Software Architect and Developer, Database Designer

## ■ Skills

- RESTful, PHP5, C, Python 2.7, RabbitMQ, Mysql, Angular, Node.js, DB and 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

### Software Developer

Di-SiDE, Cagliari (Italy)

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

#### ■ Responsibilities

- Full-stack 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 framework 3.5, 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

10 Sep 2017–Present

### Student: Master Degree, Curriculum Artificial Intelligence

University of Pisa, Pisa (Italy)

<https://www.di.unipi.it/it/didattica/wif-lm/curricula-cs/ai>

Oct 2004–Jul 2010

### Bachelor's degree in Computer Science Engineering

University of Pisa, Pisa (Italy)

Final mark: 109/110

Thesis: **Parallel Computing**

30 May 2016–31 May 2016

### English Technical Writing

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

The training course goal was to provide to student the main tools to improve the technical writing skills, in English language (e.g. emails, reports, technical documents)

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, Project Management, Object Oriented Programming, Design Patterns, TDD, Agile Software Development, GIS  
- Python, Javascript, Java, C/C++, C#, .net framework 3.5, SQL, HTML5, OWL  
- Angular, Polymer, Spring, Maven, RabbitMQ, GDAL, MySQL, Postgres, RESTful  
- Git, Github, Jira, Redmine, Linux, Docker

## ADDITIONAL INFORMATION

### Personal Skills

Looking for something of new to learn, every day. I love Open Source movement and clean code.

### Interests

Music Theory, Violin, Yoga, Artificial Intelligence, Video games.