

PERSONAL INFORMATION

Raffaele Bua

📍 00044 Frascati (Italy)

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🌐 <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

■ 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.