

# Raffaele Bua

## Portfolio

### Data Hub System - Web Component Application

September 2015 to Present

#### Description

SPA web application developed using modern web technologies, modular, dynamic and extensible. Exploiting web components.

#### Responsibilities

Software Architect, Software Developer, Team leader, Customer relations.

#### Technologies

MVC, Web Components, ECMAScript 6, Javascript, Web Component Tester (Mocha), Polymer 1.0, gulp, npm, bower, underscore.js, Design patterns, SPA, HTML5, CSS3, ajax

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### ESA Data dissemination SPA client

November 2015 to Present

#### Description

SPA Web client of ESA Data Hub System, based on RESTful APIs, following MVC design pattern. Agile Software development.

#### Responsibilities

Software Engineer, Software Developer

#### Technologies

AngularJS, Bootstrap, Javascript, grunt, npm, bower, RESTful, Java, Spring

#### Link

demo: <https://goo.gl/M2sxM7>

code: <https://goo.gl/xWE0EQ>

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# Data Hub System add-on for Sentinel-2 satellite products ingestion

May 2015 to Present

## Description

Addon of Data Hub System to ingest Sentinel-2 products, To map metadata of products with Solr indexes, to provide full text search.

## Responsibilities

Software Developer

## Technologies

Solr, OWL, java, Xquery

## Link

<https://goo.gl/P4Tqt9>

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# Sardegna Clima Android App

June 2014 to Present

## Description

Sardinia weather Android application. Sardegna Clima Pro provides the measured weather parameters from more than 70 stations installed around Sardinia with real-time updates.

## Responsibilities

Software Architect, Team leader, Software developer

## Technologies

Android, Apache Cordova, AngularJS, Bootstrap

## Link

app: <https://goo.gl/SAKgQu>

code: <https://goo.gl/ym9TmE>

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# Book Explorer (Open source iOS App)

April 2014 to Present

## Description

Book Explorer is an open source iOS App to discover books and authors, using google freebase api.

## Responsibilities

Software Architect, Software Developer

## Technologies

Design and Develop iOS App - XCode - Objective-C - Google Freebase APIs - Git - Github

## Link

<http://goo.gl/FJlIRE>

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# Sardegna Clima Backend Platform

June 2014 to Present

## Description

Sardegna-Clima Onlus Backend Platform to store the history of measures from Sardinian weather stations.

## Responsibilities

Software Architect and developer

## Technologies

PHP 5, Slim Framework, Doctrine (ORM), MYSQL

## Link

<https://goo.gl/3zHcNV>

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# eMailChef

June 2013 - November 2014

## Description

Email Marketing Service Platform.

## Responsibilities

Full-stack Web Developer.

## Technologies

PHP 5 Slim Framework, Mysql, AngularJS, Bootstrap

## Link

code: <http://emailchef.com/>

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# Turbo smtp Dashboard

March 2013 to May 2013

## Description

SMTP service dashboard.

## Responsibilities

Full-stack Web Developer

## Technologies

RESTful, SPA, MySQL, nodejs, expressjs

## Link

<http://goo.gl/ST1UMC>

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# Gente Veneta Backend web services

June 2011 to August 2011

## Description

Backend web services for Gente Veneta mobile application, to manage, purchase, download Gente Veneta volume.

## Responsibilities

Backend software developer

## Technologies

Mysql Developer - Java Servlet Developer

## Link

<http://goo.gl/BPNohZ>

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# Navionics Rating and review system

April 2011 to July 2011

## Description

Rating and review system for the Navionics Navigation app.

## Responsibilities

iOS Developer

## Technologies

Objective-C, C++

## Link

<http://goo.gl/d7Qel2>

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# Navionics Tide prediction system

March 2011 to April 2011

## Description

Tide prediction feature for iOS Navionics Mobile App.

## Responsibilities

iOS Developer

## Technologies

Objective-C, C/C++

## Link

<http://goo.gl/d7Qel2>

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# Ledout

November 2012

## Description

E-Commerce website to sell led lights.

## Responsibilities

Fullstack web developer

## Technologies

PHP 5, Symfony

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# Open source project management

March 2015 to Present

## **Description**

Space data dissemination open source project infrastructure maintenance and development.

## **Responsibilities**

Engineer

## **Technologies**

GITHUB, Jekyll, Java, Maven, Nexus OSS, Apache, Jira

## **Link**

<http://goo.gl/IKDyzu>

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