



## Batista Dominique, Research Software Engineer & Web developer

Passion is what gets you through  
the hardest times that might  
otherwise make strong men  
weak, or make you give up  
— Neil deGrasse Tyson in *the  
Washington Post*, June 5, 2012

## LANGUAGES

French: Native  
English: Fluent

## CONTACT/LINK

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7696b093  
GitHub: Terazus  
Mobility: International

## LATEST PROJECTS

JSONLDSchema  
GitHub - Travis Build -  
Coveralls - Documentation  
JSONSchema Documenter  
GitHub - Live  
JSONSchema Compare  
GitHub  
Bioschemas Validator  
GitHub

## ABOUT ME

I am a young developer specialized in creating tools and software for scientific researchers and academics. My current activities focus onto delivering clean, tested and documented open-source code to help structuring metadata over the web. My side activities focus onto producing knowledge and scientific papers as well as representing the team in international conferences. I am passionate with computer (hardware, web), science (biology and physics), video games and much more.

## POSITIONS

### May 2018 - Today

**Research Software and Knowledge Engineer**, Oxford e-research Center, University of Oxford

Develop software that help data and software providers to achieve FAIRness (Findable, Accessible, Interoperable and Reusable).

Apply and promote software engineering good practices.

### Sept. 2015 - Apr. 2018

**Web Engineer**, French Institute of Bioinformatics (IFB), CNRS UMS-3601, Paris  
Create and maintain IFB's website located at [www.france-bioinformatique.fr](http://www.france-bioinformatique.fr).

Advocate for the French community as ELIXIR France representative in the Bioschemas project.  
Structuring metadata over the web: SEO, semantic markup, semantic validation and editing.

## SKILLS/LANGUAGES

### Python

Build a suite of tools to create, compare and merge complex set of JSON-schemas as JSON-LD. Expose functions through a RESTful API.

Libraries/Tools: jinja2, requests, jsonschema, nose, mock, pyopenssl, DeepDiff, mock, xmljson, JSONBender, falcon, unicorn, flake8, coverage, coveralls

### Javascript

Document JSON-Schemas as JSON-LD with a web format. Create dynamic web forms.

Libraries/Frameworks: AngularJS, JQuery, hopscotch, AJV

### Software Engineering

Continuous integration, unit testing & documentation; SEO

Tools: GitHub, Travis-CI, Coverage/Coveralls, Sphinx/ReadTheDocs, Google Analytics/Search Console, schema.org

### Drupal 7

Full-stack and continuous development of a website through a CMS

Languages: PHP, JavaScript, MySQL, Apache, HTML/CSS

## EDUCATION

### 2012-2014

**Master degree in** Bioinformatics, University of Bordeaux

Software Engineering, OOP, Omics, Biostatistics.

### 2010-2011

**Bachelor degree in** Physiology, Biochemistry and Neuroscience, Birmingham University

ERASMUS exchange program.