Matthieu **Bessat**

Programmer, web developer

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Since I'm in 8th grade, I explore different fields of IT starting with web development when I initially learned my self HTML, CSS and PHP allowing me to offer services as a freelance. Then, as I discover more I opened my self to others horizons and confirm that computing is my passion. For the management of game servers I learned how to administrate a Linux machine and understand the underlying network infrastructure. Later my membership in a robotics team and my involvement in robotics contest brings me an experience of system development that I completed with various personal projects. Even if my chosen field is still the web, I'm curious by nature and I'm interested in the internal of the machines and systems around me.

SKILLS

Front-end web development	HTML 5, CSS 3, JavaScript, SASS, Vue.js, Nuxt.js
Back-end web development	PHP, Symfony, API Platform, Node.js, GraphQL, REST
Databases	MariaDB, MongoDB, Elastic Search, Redis
Unix-like system administration	Linux, SystemD, Docker
Web-server administration	Nginx, Caddy
General or system development	C, Go, Python
Embedded system development	Arduino, I2c
Development tools	Git, Neovim, VS Code, Composer, Twig, Latex, Coreutils, Bash

PROFESSIONAL EXPERIENCES

April 2022
December 2021

Tracklift

SOCOBAT ENVIRONNEMENT

Business management application : management of the recovering, the processing and the revaluation of wastes from elevator's worksite.
- Setup of a internal application with users and roles management.
- Modelisation of the precise business needs of the company in a database.
- Development of rich and dynamic user interfaces to navigate in the model
- Integration of asynchronous operations to create ZIP archives and generate PDF.
- Realtime application for a better user experience (notify the user about asynchronous operations).
- Deployment of the service on a VPS and containerization with docker.

Vue.js Vuetify Symfony API Platform PHP MariaDB

June 2021
April 2021

Cereal sales assistant

EDOUARD CHEUTET , Rouen, France

Website configurable like a spreadsheet to show the sales prices of a cereal wholesaler to customers according to specific criterias.
- User management features.
- Flexible system to build price tables that depend on either the logged user, the periods or others parameters.
- Lightweight admin interface that meets the business needs.
- Retrival of products financial quotes (eg. Wheat) via the EuroNext API.
- Support of spreadsheet-like formulas using globals or locals variables.
- User "impersonation" feature to preview prices tables.

PHP Symfony JQuery Bootstrap

September 2020
July 2020

Administered association directory

ESPACE CONDORCET , Gaillon, France

Web application of collaborative association management with administration interface for the Espace Condorcet.

- Provision to a public of 60 non-profit organizations of an interface to edit rich information sheets.
- Creation of a dynamic interface for administration needs of the Espace Condorcet to validate content from the associations before publishing.
- Creation of a web portal targeting general public to navigate in the information sheets published.
- Management of the multimedia content uploaded by the users.
- Deployment of the service on a VPS.

`Node.js` `Type Script` `Express.js` `Vue.js` `Vuetify` `MongoDB`

HIGHLIGHTED SIDE PROJECTS

Entrepreneurship projects, volunteering projects or just for fun projects.

LANGATATOR 2022
 gitlab.com/lefuturiste/langatator

Programming of an imperative interpreted langage in C, trying to enforce a grammar with a lexer, a parser and an evaluator.

`C`

FRENCH ROBOTICS CUP 2020
 github.com/werobot-france/eurobot2020-main

Design of an holonomic autonomus robot to participate in the 2020 edition of the cup, I worked on the electronic and on-board software.

`Python` `C` `Arduino`

JOBATATOR 2020
 github.com/jobatator

A simplified alternative to RabbitMQ to dispatch jobs to workers (in order to for example send an email).

`Go`

WEROBOT.FR 2018
 werobot.fr

A presentation website along with a blog for the robotic club We Robot.

`Nuxt.js` `Vue.js` `PHP` `Slim Framework` `MariaDB`

RETROBOX 2018
 retrobox.tech

E-commerce website from scratch to sell the retrobox console and allow the customer to manage it remotely.

`Nuxt.js` `Vue.js` `PHP` `Slim Framework` `MariaDB` `Socket-io` `Stripe` `Paypal` `Electron`

VOLUNTEERING EXPERIENCES

July 2021	**French robotic cup**
	PLANÉTE SCIENCES
	In 2021 and in 2022 I've volunteered to help the organization of the event by the Planète Sciences organization. I've setup the network infrastructure and operated the scoring software.

August 2018	**Imaginarium Dream show**
	SGDF LOUVIERS VAL-DE-REUIL
	Engaged with a Scouting and Guiding local group, we've created the show "Imaginarium Dream" to play it during the summer in retirement homes or vacation centers. My role is to manage sound and light of the show.

July 2017	**Forest protection**
	SGDF LOUVIERS VAL-DE-REUIL
	With my Scouting group in the "Nature and environment" program, I've participated in the monitoring of the Martigues sector against wild fire during 2 weeks in July 2017.

Education

July 2022 **September 2020**	**Classe préparatoire aux grandes écoles** Lycée Saint-Exupéry, Mantes-la-Jolie, France
July 2020 **September 2017**	**Lycée** Lycée André Malraux, Gaillon, France Got the degree bac scientifique with title bien.
July 2017 **September 2013**	**Collège** Collège Simone Signoret, Aubevoye, France Got the degree brevet des collège with title très bien.

Interests

- ⍥ Open Source
- ☺ Free Software
- ☗ Robots
- ☷ Open Data
- ⚡ Electronic

Languages

French	Native
English	Fluent