Thibaut Broggi
Developer

✉ Paris, France

🌐 https://rainbowda.sh

🌐 https://gitlab.com/Emeraude

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Skills ————

Unix environment

Versioning (git)

Shell scripting (bash, fish)

Databases (SQL)

DevOps (Docker, Ansible)

Node.js, C, C++	5
Pug, CSS, SASS	4
Ruby, Python, PHP	3
Assembly (x86_64, AVM1), Rust	1
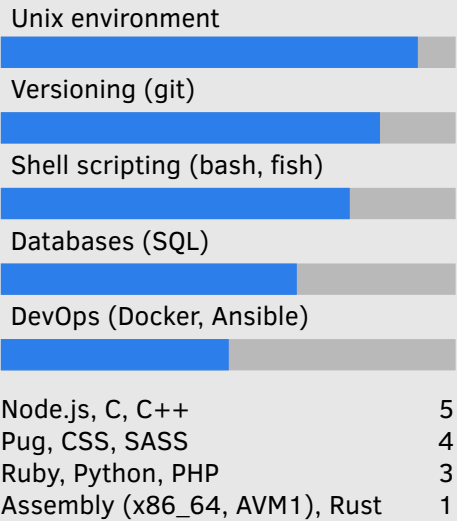
(Skills are ranked from 1 (notions) to 5 (expertise))

Interests ————

Rubik's cubes, Chess, Bouldering
Free software and self-hosting
Strategy video games and Factorio
Politics

Experience

2022   **Software Engineer**   Trainline
Improving the Ruby back-end framework which interface with some train carriers APIs such as SNCF.
Technologies: Ruby, PostgreSQL

2018-2022   **Academic Software Engineer**   Epitech
Teaching of C and C++ programming, Unix environment, Assembly, git usage and security penetration.
Designing and improving the testing environment used to evaluate students.
Implementing of reference projects, used to test the students projects against, in C, C++ and assembly.
Supervising of students projects for short to middle term periods (from 2 weeks to several months).
Technologies: C, C++, Bash, ASM x86_64, Node.js

2017   **Tools Developer**   La Quadrature du Net
Development and maintenance of several tools used by the association.
Technologies: Node.js, Python, Django

2014   **Full Stack Developer**   Fineduc
Elaborating various websites used by the administrative teams of IONIS schools.
Technologies: CakePHP, Symfony, jQuery, Bootstrap

Projects

2021   **Music Very Player** 🔗
A music player bot for Discord, with a YouTube integration.
Technologies: Node.js

Since 2020   **Hammerfest Zero** 🔗
A fork of the Hammerfest video game, which features a level editor and APIs to work with it.
Technologies: ASM AV1, Mtypes, Node.js, MariaDB, Bash

2015-2017   **Datastream**
A trading assistant, which uses machine learning to find correlations between newspaper articles and stock market fluctuations.
Technologies: Ruby, PostgreSQL

2017   **ZeroMusic**
A decentralized website to share music, using the ZeroNet project.
Technologies: Python, CoffeeScript

Education

2013-2018   **Graduate Diploma in Information Technology**   EPITECH, Paris, FR

2016-2017   **Master of Science in Computer Security with Merit**   University of Kent, Canterbury, UK

2013   **Scientific baccalaureate**   St-Laurent-La-Paix-Notre-Dame, Lagny-sur-Marne, FR

Publications

2017   **Modular Worm Technology** 🔗
A virus developed for academic purposes, which divide exploits into several modules.
Technologies: C, ASM x86_64, Bash, Ruby