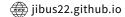
Jean-Baptiste Le Corre

Junior Software Developer

Paris, France

github.com/Jibus22





Professional experience

FULLSTACK DEVELOPER

JAN - JULY 2024

Qeeps, Paris

Development of a notifications micro-service. Integration and writing of Cypress components tests. Improved CI/CD pipeline - updated images and dependencies. Proposals accepted and applied for optimizations and best practices: lazy loading, improving cache usage and rtkquery api.

AUDIO TECHNICIAN

2015 - 2019

AmpVisualTv, Paris

Salaried in this french leader company in tv filming. I worked on notable events like UCI Road World Championships, Africa Cup of Nations, FIFA World Cup, African Games.

Projects

FT_TURING OCTOBER 2024

Ocaml, Theory of computation

Implementation of a Turing machine in ocaml and writing programs for Turing machine.

CAMAGRU SEPTEMBER 2023

Javascript, Node.js, SQL, postgresql, Sass, Vitejs, github Actions
Instagram-like application made as a SPA. Static version deployed on github pages with github actions. I built my own node.js backend framework with routing and middleware managment.

BOOTCAMP EMBEDDED DEVELOPMENT

MARCH 2023

C, atmega328p, library-free, interrupts, timers, adc, uart, i2c, spi
Development of a **firmware** with 10 modes - displaying values from adc potentiometers, sensors, clock (...) on a led screen, clock setting thru uart bus (...).

BOOTCAMP DATA SCIENCE

FEBRUARY 2023

Python, numpy, panda, matplotlib

Matrix manipulations, image filters, implementation of **k-mean clustering algorithm**, feature engineering and ploting data with panda.

TASKMASTER (2 VERSIONS)

JANUARY 2023

C, system, multi-threading, pthread

Implemented a job supervisor (supervisord-like) and my own line editor with history and auto-completion. Integration of a yaml parsing library for the configuration file.

WOODY_WOODPACKER

SEPTEMBER 2022

C, security, packer, ELF

Shellcode **injection**, encrypt and inject self-decryption code into executable ELF binary target. I implemented **segment padding** injection technique (taking advantage of code cave after an executable load segment) as well as **elf shifting** if no codecave had been found.

FT LINUX AUGUST 2022

System, cross-compilation, kernel compilation, linux from scratch

Built my own **linux distribution** following the **LFS** book. Started from a lightweight virtual Alpine release as a host, then built compilation toolchain, filesystem and finally compiled linux kernel.

FT TRANSCENDANCE

MARCH 2022

reactjs, nestjs, websoket, postgresql, SQL, OAuth 2.0, docker-compose, APIs Web application of an online pong game with leaderboard, profile dashboard, chat interface. I implemented part of back-end, all websocket system and front-end in the end.

WEBSERV SEPTEMBER 2021

C++98, HTTP, sockets

Implemented a HTTP/1.1 web server, nginx-like. Using epoll() for linux & kqueue() for macosx to poll socket I/O. CGI handling. Profiling with siege.

FT_CONTAINERS JUNE 2021

C++98, STL, template, SFINAE, data structures, iterators, constness Implemented some STL containers: map, list, vector, stack, queue with time complexity of algorithms equivalent to the STL. Implementation of BST, circular linked list.

Junior software developer passionate and curious about tech. Former audio technician. Exploring and digging several fields of computer science (system, cybersecurity, devops, AI, web). I am now looking for a position. Please view my portfolio for more informations.

Education

DIGITAL TECHNOLOGIES ARCHITECT

42 Paris school

2020 - TODAY

BTEC IN AUDIOVISUAL - AUDIO SPE

Lycée Léonard de Vinci, Montaigu 2012-2014

Skills

- OCaml C C++ python3 asm
 javascript typescript reactjs nodejs SQL sass hash
- git github docker cypress •
 RTK Query GCP postgresql •
 mongodb chakraUI •
 kubernetes linux gdb make
- problem-solving autonomy attention to detail

Languages

FRENCH

native

ENGLISH

intermediate

Interests

ASSOCIATIONS

Videobus (teach filmmaking to children). Le Fieald (humor open scene).

SPORT

Basketball, bmx, climbing, sailing, judo developed team spirit and rigor.

MUSIC

Played guitar many years, developed creativity and patience.