Antoine DESRUET

Backend / Software Developer

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DESCRIPTION

My academic background at EPITECH, combined with my varied professional experiences, provided me with a solid foundation in IT and allowed me to develop in-depth skills in the areas of backend and software development.

EDUCATION

Expert in computer science
EPITECH Paris
2019 - 2024

College of computer sciences
Université de Chung Ang, Corée du Sud
2022 - 2023

Baccalauréat Scientifique
Lycée Galilée, Combs la Ville
2016 - 2019

SKILLS

- C / C++
- Python + Flask
- Rust
- Git / GitHub Action
- Docker + Kubernetes
- NodeJS / Typescript (Nest, Express)

EXPERIENCES

Technical Lead - 1 year   2023 - 2024
EPITECH Paris

Monitoring the education of 1st, 2nd and 3rd year students.
Technical referent:
- Advanced C++, development of a game engine with multiplayer.
- Object Oriented Programming, development of a raytracer in C++.
- Devops, docker, GitHub actions, Jenkins.
- Introduction to web development, To Do list API in Express JS with MySQL.
Development of internal tools in python to facilitate student monitoring.

Python Backend Developer - 5 months   2022
PeopleForAI

- Development and maintenance of a monolithic REST API in python with Flask. This API was used for image annotation project management.
- Development of tools around Google Sheet with Google Script.
- Integration of the V7 tool API into existing tools.
- Development of tools around the open source image annotation software (CVAT)

PROJECTS

Zia
Implementation of an HTTP web server in C++. Use of sockets and parsing of HTTP requests. Operation with modules inspired by Apache.

Express-cpp
Development of a web development framework in c++. Inspired by ExpressJS. Available on my Github.

R-TYPE
Development of a network game engine in C++. Use of template, TCP and UDP socket.

Babel
Development of a VOIP P2P communication software in C++. Use of UPD socket and an audio compression library (OPUS).

Leukidemia
Virtual reality therapeutic education application (Unity) which aims to help children with leukemia understand and accept their illness.

CVAT_Python_wrapper
Python wrapper for the API of the open source annotation software CVAT.

PLD_Generator
Python script using the Github API to generate a Project Log Document in .docx format using github issues.