



Vitor Vaz Afonso

Software Engineer

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Portfolio: <https://vitorva.github.io/portfolio>

Education

University of Applied Sciences - HEIG-VD, Yverdon-les-Bains

Sep. 2017 - Sep. 2022

Bachelor of Science HES-SO in Computer Science, major in Software Engineering

ETML, Lausanne

Aug. 2013 - Jul. 2017

Computer Scientist CFC • Technical Maturity

Projects

HEIG-VD - Bachelor's Thesis

- *VSCode extension for the UON Language*

Feb 2022 - Sep. 2022

The purpose of the thesis was to create an extension that provides language support for the UON serialization language in the VSCode editor. UON was designed by the professor Yves Chevallier at the HEIG-VD. The thesis received a final rating of 5.5 / 6.

HEIG-VD - Semester group projects

- *Journeys*

Sep. 2021 - Jan. 2022

Web application for trip creation. It's built using Spring Boot, React, Neo4j and Docker. It was developed by a team of 5 students with a CI/CD methodology. It was tested, built, dockerized and deployed on GCP through a pipeline.

- *Stack*

Sep. 2020 - Jan. 2021

Question and answer website. It's built using the MVC pattern on the server side with Java EE APIs and runs on Open Liberty server in a dockerized environment.

It was developed by a team of 4 students.

- *EasyToolz*

Feb. 2019 - Jul. 2020

Web application for sharing unused objects in Switzerland. It's built using Spring boot, React and MySQL. It was developed by a team of 6 students.

Experience

Clean Code by Robert C. Martin Lectures

Aug 2020 - Sep. 2020

Programming best practices for writing clean code.

ENAC-IT EPFL

Feb. 2016 - Jan. 2017

Employed for 1 year in the ENAC faculty during my CFC as a computer scientist.

- Developed web applications.
- Managed IT resources and machine deployment.
- Provided technical support for the students, professors, and collaborators.
- Participated in the training of computer scientist apprentices.

Skills

Languages	JavaScript • TypeScript • Java • Python • C++ • C# • Kotlin • Scala • PHP • HTML5 • CSS3
Frontend	React • Redux • Vue.js • Vuex
Backend	Node.js • Express.js • Spring Boot • Maven • GraphQL
Databases	MySQL • PostgreSQL • MongoDB • Neo4j
Cloud	AWS • GCP • Heroku • DigitalOcean
Testing	Jest • Enzyme • CodeceptJS • Puppeteer • Jmeter
DevOps	Git • Docker • CI/CD • Pipelines

Languages

French	Native Language
English	C1