Vitor Vaz Afonso
Software Engineer

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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 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 (Internship)	*Feb. 2016 - Jan. 2017*

Employed for 1 year in the ENAC faculty during my CFC as a computer scientist.
• 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	Kubernetes • Docker • Git • Github Pipelines

Languages

French	Native Language
English	C1