

Carl AMELINE

Fullstack developer

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After two years of work at Thales as a software engineer, I want to refocus my career on a domain closer to web development, and I am now looking for an opportunity that would allow me to use my skills as a fullstack developer.

Education

EPITECH

Master's degree in Information Technologies

2017 – 2022
Nantes, France

UNIVERSITE FRANCOIS RABELAIS

Technological University Degree in Network and Telecommunications

2015 – 2017
Blois, France

Professional Experience

THALES

Software Engineer

2023 – Present
Merignac, France

- Creation of drivers in C++ and python, allowing the use of multiple sensors, which are used to collect data to deduce information about the users (tiredness, mental workload). This data is then displayed into a web interface, developed in Angular.
- Based on FlytX software, design and development of a solution dedicated to EVTOL (autonomous flying vehicle) cockpits. These interfaces were intended to be usable by people not trained in piloting.
- Research on T-2080 card, used in avionics, where the mission was to design a low-level driver in C, which aims to be used as a network switch securing the incoming data. Testing and integration of the driver under PikeOS.

IIDRE

Fullstack Developer

2021 - 2023
Merignac, France

- Conception of a web solution, using VueJS, allowing an industrial client to get the position of each of his vehicles on his site, and tracking their positions, to optimize various routes.
- Implementation of an Android application (Java), embedded in vehicles, permitting through a database, to detect the type of products based on the vehicle position on the site. The application can manage more than 2000 references across the entire site.
- Development of a Windows executable, used on embedded device, wear by operators working close to machine, which are going to warn them when they approach a potential danger zone.

Skills

Programming languages: C, C++, JavaScript, TypeScript, Python, Java, HTML, CSS, Kotlin, Go

Frameworks: React, React Native, Vue, Angular, NodeJS, FastAPI, Svelte

OS: Windows, Linux, PikeOS, Android

Others: Git, MongoDB, SQL, Docker, Shadcn UI, Spline, Tailwind, Styled Components

Languages: French, English

Projects

- **SLYDLE:** creation of a quiz website, based on the esports team Solary, which invites players to guess a personality, one per day. The website offers authentication and a ranking system. Developed in **React**, with a back in **Python** and **FastAPI**, the data is stored on **MongoDB**. The game registered 250 players and has now been officialized by the team.
- **TWISTED FATE:** Twisted Fate is a sports betting site specializing in esports, especially in League of Legends. The frontend uses **React**, **Vite** and **Shadcn UI**. The backend uses **Python** and **FastAPI**.
- **ALUNE:** Alune is an extension project, based on **Overwolf**, which aims to protect users in games like League of Legends or Valorant. The extension is designed to secure vocal communication by allowing users to report toxic behavior from other users, resulting in banning them from voice chat. The application used **TypeScript/React** and **NodeJS**.