

# Marvin Libam

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## SKILLS

### Coding skills

*C++, C, Shell, Linux, Docker, Git, Python, React, HTML, CSS, JavaScript, TypeScript, Bootstrap, C#, .Net, SQL, PostgreSQL*

### Other skills

*Communicative, Team player, Detail oriented*

### Languages

*French, English*

## EDUCATION

**Epita** • Kremlin-bicêtre, France

*Masters in Computer Engineering*

- Specialization in Software development

## EXPERIENCE

**SII** • Paris, France

*Software Engineer Consultant* • current

*Embedded software for aircraft maintenance operations and in-flight troubleshooting – C++*

- Collaborated with in-office and remote team at Dassault Aviation.
- Investigated and successfully resolved issues with the ongoing build.
- Added features to the next software version aimed at new aircrafts models.
- Wrote High Level Test Cases Specification document, made to cover the module's specified requirements.
- Implemented the tests according to documentation, insuring the use of proper communication protocols, frequency of messages and general behavior.
- Contributed to the extension of cross-card communication protocols and features. Allowing orchestration and retrieval of data in a common shared volume.
- Modernized application api by switching to the gRPC library, facilitating its implementation and future extension.
- Implemented a tcp communication library (client/server) utilizing a proprietary communication protocol. Handling multiple parallel sessions, complete with message scheduling
- Developed tools to facilitate testing of binary data transmission through websocket for verification engineers.
- Put in place dev docker compose files to enable usage of development binaries and config files.

**KPMG** • Luxembourg, Luxembourg

*Software Engineer Intern* • March 2023 – August 2023

*SaaS solution for management services – React*

- Collaborated with internship manager and the business stakeholders to achieve a common vision.
- Translated business requirements into a set of wireframes and mockups.
- Created the base skeleton for the project's frontend, complete with a comprehensive and effective folder structure and specific libraries according to the company's security requirements.
- Utilized my engineering and coding skills to effectively implement the app's screens and functionalities.
- Prepared the app for demonstration purposes in front of internal and external clients.
- Contributed to expanding the functionalities of the backend through the creation of test covered endpoints.
- Participated in regular code reviews, ensuring quality and reliability.

**SNCF Réseau** • Paris, France

*Software Engineer Intern* • September 2021 – January 2022

*Application used to simulate the propagation of current through a user configurable track circuit – C++*

- Collaborated with internship manager and chief of service to put in place the project's specifications.
- Utilized my coding skills and knowledge to redesign the user interface and implement it.
- Work cogently with internship manager to allow configuration of the reception part of the circuit as well as taking it into account for the current propagation calculations.
- Put in place a comprehensive and complete documentation, allowing future development of the project.
- Successfully updated the practices of the coding team and put in place a version control tool for the whole team.