Hamza LARBI

Qt/C++ Software Engineer

Passionate and dedicated Software Engineer, enthusiastic about tackling challenges and crafting high-end software solutions. Known for my strong work ethic and unwavering commitment to delivering exceptional results.

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Tlemcen, Algeria

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github.com/HmzaLarbi

WORK EXPERIENCE

QtQML/C++ Software Developer (Freelance)
BYB Tech Srl

05/2022 - Present
Offering Acquisition units for bikes to effectively monitor and analyze their performance during races.

- Developed a cross-platform Qt application with a polished, responsive UI and a clean, maintainable architecture tailored for performance.

Qt/C++ Software Engineer for Embedded Systems (Freelance)
Power Gauge Pro LLC

09/2024 - 04/2025
Develops customizable digital dashboards and instrument clusters for real-time vehicle data and diagnostics.

- Building and testing a user interface for an embedded device, focusing on smooth visuals and real-time updates.
- Connecting the software to system features like Wi-Fi, sensors, and communication ports to collect and control data.
- Redesigned the entire user interface from scratch based on a custom Figma design to improve usability and visual appeal.

Qt/C++ Software Developer (Freelance)
VersaWare

01/2023 - 03/2023   *3 monthes*
Offers a real-time nutrition analysis, and streamlined meal preparation for optimal health and convenience.

- Implemented the entire front-end user interface (UI) utilizing the MVVM pattern, incorporating fully customized components.

Project Manager | Qt/C++ Software Developer
Flybotix

02/2021 - 02/2022   *1 year*
Telemetry software delivering post-flight drone data for efficient construction analysis and reporting.

- Developed an interface with high responsiveness, prioritizing an optimal user experience (UX), and conducted thorough testing of the application
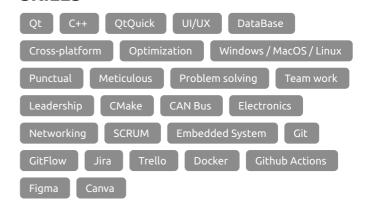
EDUCATION

Bachelor's Degree in Computer Science
Abou Bekr Belkaid University of Tlemcen

09/2016 - 06/2019   *Algeria*

Master's Degree in Software Engeneering
Abou Bekr Belkaid University of Tlemcen

09/2019 - 06/2022   *Algeria*

SKILLS

Qt C++ QtQuick UI/UX DataBase
Cross-platform Optimization Windows / MacOS / Linux
Punctual Meticulous Problem solving Team work
Leadership CMake CAN Bus Electronics
Networking SCRUM Embedded System Git
GitFlow Jira Trello Docker Github Actions
Figma Canva

LANGUAGES

Arabic ●●●●●
French ●●●●○
English ●●●●○

INTERESTS

Sports Traveling Puzzle games Challenging tasks