LO MANTO FABRIZIO

CONTACT INFORMATION

- Driving Licence B
- November 1986
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SKILLS

Programing language:

c Linux, Python, Shell Script, SCADE, PHP, HTML5, CSS, Javascript (vanila), Laravel, Trongate, Tailwind

Dev IDE:

Visual Studio Code, Atmel studio, Ansys SCADE Suite, notepad++, PhpStrom

Language:

French (native), Italian (native), English (B2), Spanish (A1)

INTERESTS

DIY, home automation, electronics, 3D printing, sports, social dance (bachata, salsa, ...)

SEEKING

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Web Developer Position

Passionate about full-stack development, I am seeking a project using Laravel and Vue.js to leverage my expertise in PHP, JavaScript, and TypeScript. With a strong background in web application development, I specialize in software architecture, API integrations (WhatsApp, SMS, payments, etc.), and MySQL/MariaDB optimization.My goal is to contribute to an innovative project by delivering high-performance, scalable, and business-oriented solutions.

WORK EXPERIENCES

2024 **-** 2024
MrCool, Delivery Driver

Delivery, order taking, synchronization and cash collection with the client, goods pickup and inventory management.

2023 **-** 2024
Resdia, Software Developer / Software Architect / Database & System Designer

- Adaptive Online Reservation Platform
Designed and developed a dynamic online reservation platform enabling providers and agencies to collaborate efficiently under various constraints.
- Framework & Technologies: Built using the Trongate framework, PHP, Vanilla JavaScript (Ajax SPA), Node.js, HTML, and CSS.
- Database Management: Designed and optimized a MySQL database with sophisticated queries for efficient data retrieval and processing.
- Custom Components: Developed tailored features, including a custom calendar, widgets, and app-specific components to enhance usability and workflow.
- Conceptual Data Modeling: Structured and implemented a well-defined Conceptual Data Model for seamless data organization and business logic handling.
- API Integrations: Integrated WhatsApp API, SMS sender API, and email API for automated communication and notifications.
- Performance & Optimization: Ensured a high-performance, scalable system with a responsive UI and optimized database queries.

2023 **-** 2023
Marvin's Tipis, Web Developer / Full-Stack Developer

Designed and deployed Marvin's Tipis website, ensuring a functional and visually appealing online presence.

- Technologies Used: Developed using pure PHP, JavaScript (Vanilla), HTML, CSS.
- Frontend & UI: Created a responsive and user-friendly interface to enhance customer experience.
- **Backend Development**: Implemented a basic yet efficient booking and contact system.
- **Hosting & Deployment**: Managed domain setup, hosting configuration, and deployment for optimal performance.

- **SEO & Performance Optimization**: Ensured fast load times and search engine visibility with optimized content and structure. (Google Analytics)

2018 - 2022

FN Herstal (internal) :, Lead Software Developer / Senior Embedded Systems Engineer

Main Project: Teleoperated Turret Development (Defense R&D)

Worked in the military R&D department, focusing on the development of teleoperated turrets. As the lead developer for the weapon management system, I was responsible for the full software integration of the weapon, ensuring seamless communication between middleware and firmware components controlling sensors and actuators.

- Software & Embedded Systems Development Designed and implemented the complete **software architecture** for weapon management.
- Middleware & Firmware Communication: Developed robust interfaces to interact with middleware, ensuring proper data flow to low-level firmware controlling sensors and actuators.
- Firmware Development: Contributed to the reloading system firmware, working closely with the embedded development team.

Secondary Project: Teleoperated Turret Simulator – Team Lead

Led a team of five engineers in the development of a virtualized turret simulation to replicate external equipment behavior, including cameras, ammo counters, gyroscopes, motion control systems, and reloading mechanisms.
- System Virtualization: Developed realistic software models for hardware components to support testing and validation.
- Team Leadership: Coordinated efforts among developers, ensuring smooth integration of simulated components.
- Cross-Disciplinary Collaboration: Worked with firmware and system engineers to validate real-world behavior in the simulation.
- **Technologies & Tools:Programming Languages**: C, Python, Bash, Embedded & Model-Based Development: Scade (Model-Based Design), AVR C (Atmel Studio)Development Environments & Tools: Eclipse, Git, Alfresco, Hudson, Redmine, Bugzilla, Documentation & Testing: Authored technical specification documents, requirements documents, ATP (Acceptance Test Procedures), ATR (Acceptance Test Results), bug reports, and feature implementation plans.
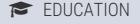
2015 - 2017

Akka Benelux (Consultant FN Hertstal), team leader/architect/project coordinator, system, Team leader, Architect and Project coordinator in R&D department, development and maintenance for a simulator

project : deFNder Simulator

2012 - 2015

Open Engineering (Consultant FN Hertstal), junior developer, system departement (R&D), Active junior software developer in R&D department, design, development and maintenance

deFNder Medium/Light old generation

🎓 EDUCATION

2007 **-** 2011
Haute école de la province de Liège : INPRES Seraing, Bachelor's degree in Computer Science & Systems, industrial computer science major

Study and practice of the OEE module of Simatic IT (SIMENS).

2000 **-** 2007
Ecole polytechnique de Herstal, Electronic technician

Transmission / Reception of the RC5 Protocol (Philips) based on PIC

✹ CERTIFICATIONS

2022: BEPS (European First Aid Certificate)

2018: Pragmagora: conflict management, team-building and team working.