

**PROJECTS****Web & E-commerce**

- E-commerce Platforms (3 projects):** Design and deployment of online sales platforms (B2C/B2B) with secure payment gateway integration.
- School Management System:** Development of a School Management Information System (SMIS) including academic and administrative tracking.
- ESTA Application Platform:** Development of a web platform facilitating the submission and tracking of U.S. ESTA applications, acting as a simplified interface prior to transmission to official channels.
- Investment Platform:** Development of a financial asset management dashboard with real-time portfolio tracking.
- Local CRM System:** Design and development of a Customer Relationship Management system tailored for call centers, including call tracking, lead management, interaction history, and sales performance optimization.
- Automotive Garage Platform:** Professional website showcasing auto repair services, including customer contact, service presentation, quote requests, and online visibility for the workshop.

**Mobile Applications**

- Money Transfer Application:** Development of a FinTech application for secure peer-to-peer (P2P) money transfers with digital wallet integration.
- Dating Platform:** Design of a social matchmaking application featuring a matching algorithm and real-time messaging.

**Artificial Intelligence (AI)**

- Voicebot:** Implementation of a conversational voice agent based on Natural Language Processing (NLP).
- Algorithmic Trading:** Development of trading algorithms and predictive analytics systems for financial markets.

**Internet of Things (IoT)**

- Slot Machine System:** Software engineering for embedded gaming systems, including hardware input/output management.
- Smart Heating System:** Development of a home automation solution for intelligent thermal regulation and energy consumption optimization.

**EDUCATION**

**Bachelor's Degree – Computer Science 10-2014 -> 9-2018 :**  
IT University Antananarivo

**Scientific Baccalaureate 10-2013 -> 09-2014:**  
Gallo Junior Antsirabe

**LANGUAGES**

**French :** Intermediate  
**English :** Intermediate

**INTERESTS**

**Basketball, Swimming, Travel.**

**WORK EXPERIENCE****Innov-art**

February 2024 - Present

**Multi-Framework Web Developer**

-Design and development of modern web applications, including database modeling, high-performance REST API development, and dynamic user interfaces, with a strong focus on scalability, security, and maintainability.

**-Technologies:** Next.js, React, Node.js, MySQL, REST APIs, FastAPI, Tailwind CSS, Ionic

**United Call Center**

January 2023 - February 2024

**Software & AI Engineer**

-Maintenance and deployment of high-availability web platforms.  
-Development of AI-powered voicebot solutions integrating Natural Language Processing (NLP) techniques for real-time voice interactions.

**Technologies:** CodeIgniter, Symfony, Laravel, React, Python, FastAPI, TensorFlow, Scikit-learn, Microsoft Azure, Asterisk

**Innov-art**

April 2021 - December 2022

**Full Stack & AI Developer**

-End-to-end management of the web project lifecycle, from technical architecture design to production deployment.  
-Design and implementation of automated trading algorithms using advanced machine learning and reinforcement learning techniques.

**Technologies:** React, Python, TensorFlow, Scikit-learn, Stable Baselines, MQL5, REST APIs, MATLAB

**LTI**

January 2019 - December 2020

**Full Stack Developer**

Responsible for the design, development, testing, deployment, and continuous improvement of web applications, collaborating closely with technical and business teams.

**Technologies:** jQuery, Bootstrap, CodeIgniter, Symfony, React, Angular, Vue.js

**SKILLS**

**Technologies :** C, C++, c#, Visual basic, Java, Python, HTML, CSS ,PHP, Javascript, Typescript, Nodejs, Vue, React, Angular, Ionic .

**Databases :** MYSQL,Oracle ,Posgresql ,MongoDB,Nosql, Supabase .

**Frameworks :**

.Net,Quarkus,Hibernate,Bootstrap,Jquery,Codeigniter ,Symfony,Laravel

**Cloud :** AWS, Azure

**Artificial Intelligence (AI) :** Apprentissage par renforcement, Scikit –learn, tensorflow, stable baselines, MATLAB, MQL5

**Payment Systems :** Stripe, Coingate, Paypal, Binance, Perfect Money

**Additional Skills:** Arduino, Prestashop, WordPress , Photoshop, Blender, 3DsMax, Corona, Lumion