

## 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:** Codelgniter, 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, Codelgniter, 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 ,Mongobd,Nosql, Supabase .

**Frameworks :**  
.Net,Qaukus,Hibernate,Bootsrap,Jquery,Codeigniter ,Symfony,Laravel

**Cloud :** AWS, Azure

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

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

**Additional Skills:** Arduino, Prestoshop,WrodPress , Photoshop, Blender, 3DsMax, Corona, Lumion