

Contact

Antanarivo, Madagascar
7172037827/+261342569879
(Mobile)
arotianarandria@proton.me

www.linkedin.com/in/arotiana
(LinkedIn)
aportfolio.vercel.app (Portfolio)
aro-seven.vercel.app (Personal)

Top Skills

React Native
Design d'expérience utilisateur (UX)
Software as a Service (SaaS)

Certifications

Software Architecture Foundations
HACKERRANK Java Certification
Learning App Building with Vanilla
JavaScript

Honors-Awards

2nd Place Orange Zaha@Geek
Hackathon

Arotiana Randrianasolo

Software Engineer, e-Baiboly App Creator
Lyon, Auvergne-Rhône-Alpes, France

Summary

Graduate in Computational Modeling and Engineering, I design digital solutions for clinical research with a user-centered approach. I enjoy optimizing systems, supporting teams, and learning through diverse experiences.

Experience

Tott up

Software developer
April 2026 - Present (6 months)
Lyon

Voisin Consulting Life Sciences (VCLS)

Digital Solutions & Innovation Specialist
November 2025 - April 2026 (6 months)
Software development for Clinical Research

Codesync.tech

Ingénieur de données
January 2025 - November 2025 (11 months)
Pennsylvania, United States

This is our Startup: Our primary goal at CodeSync is to construct high-quality projects, whether it's websites, apps, or more, and ensure they meet industry standards. Additionally, we excel in optimizing and promoting these projects to reach their widest audience. My role is:

- Developed and maintained Java-based applications for various clients, ensuring high performance and scalability.
- Implemented new features and enhancements based on client requirements, improving user experience and functionality.
- Conducted code reviews and provided feedback to guarantee code quality and adherence to best

practices.

- Participated in agile ceremonies, including sprint planning, daily stand-ups, and retrospectives, to check effective project management.

FLOREAL MADAGASCAR

1 year 1 month

HR Project Lead

April 2023 - November 2023 (8 months)

Madagascar

My role was to implement the principles and practices of operational excellence in the factory, based on the Master in Operational Excellence book. I followed the book's guidelines to create a culture of continuous improvement, eliminate waste, optimize processes, and increase customer satisfaction. I also trained and coached the factory staff on how to apply the operational excellence tools and methods in their daily work.

Java Developer

November 2022 - April 2023 (6 months)

Antsirabe, Vakinankaratra, Madagascar- Antananarivo Madagascar

- Led the development of a new ERP platform version, transitioning from a monolithic structure to a microservices architecture, resulting in flexibility to adapt the local work structure and a 30% increase in system performance and a 25% reduction in server costs.
- Optimized database queries and indexing, improving application response times by 40% and reducing database load by 35%.
- Spearheaded the implementation of CI/CD pipelines, reducing deployment times by 50% and increasing release frequency.
- Collaborated with cross-functional teams to design and develop RESTful APIs, enhancing system integration and data exchange.

Simply Mobilizing

Translator (Volunteer)

March 2020 - February 2023 (3 years)

Antsirabe, Madagascar

Translated some parts of the kairos course reader book from English to Malagasy,
Replicated flow, style and overall meaning of original texts.
Improving efficiency and deep understanding of English language and applied cultural understanding to discern specific meanings beyond literal written words.

i-votika Antsirabe

IT Intern, React Developer

June 2022 - November 2022 (6 months)

Antsirabe, Vakinankaratra, Madagascar

- Assisted in the development of hybrid applications JEE backend, React Front-end, contributing to various projects and gaining hands-on experience.
- Wrote and maintained unit tests to verify code reliability and functionality.
- Collaborated with senior developers from outside stakeholders to learn and implement best practices in software development.
- Participated in team meetings and provided input on project planning and design.

Prefecture d'Antsirabe

IT intern, Java developer

March 2021 - August 2021 (6 months)

Antsirabe

Successfully designed, developed and deployed a highly efficient tracking document software using JavaFX following the MVC pattern.

- Front-End: Utilized JavaFX for the user interface, incorporating custom controls and layouts to enhance user experience.
- Back-End: Implemented core business logic in Java, leveraging multithreading to handle concurrent data processing and improve performance.
- Database Integration: Integrated with a MySQL database using JDBC for persistent data storage, ensuring data integrity and consistency.
- Real-Time Capabilities: Employed WebSocket for real-time data updates and notifications, providing users with up-to-date tracking information.

- Reporting: Developed dynamic reporting features using JasperReports, allowing users to generate and export reports in various formats (PDF, Excel).
 - Security: Implemented robust security measures, including user authentication and authorization using Spring Security, and encrypted data transmission with SSL/TLS.
- This solution significantly streamlined the business process, enhanced data accuracy, and provided realtime tracking and reporting capabilities to the organization.

Education

EMIT Fianarantsoa

Master's degree, Modélisation et Ingénierie Informatique · (January 2023 - November 2023)

EMIT Fianarantsoa

Licence informatique, Développement d' Application Informatique · (2019 - 2021)