Dimbinirina Razafindramanana

Software Engineer | Digital Transformation Specialist
Antananarivo, Madagascar

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Professional Summary

Software Engineer with over 12 years of experience delivering digital transformation solutions for government institutions, NGOs, and enterprises. Specialized in modernizing legacy systems, building scalable digital platforms, and designing easy-to-integrate solutions for organizations with low digital maturity. Adept at bridging the gap between as-is and to-be architectures, aligning engineering practices with policy, governance, and user-centric design.

Proven track record in leading teams, mentoring developers, and driving digital initiatives that improve accessibility, efficiency, and citizen experience.

Core Competencies

- Digital Transformation Strategy
- Identity & Access Management (IAM)
- Biometric System
- Legacy System Modernization
- Cloud-Native & API-Driven Development
- Software Architecture & Scalability
- Sustainable Software Development
- Agile & Incremental Transformation Approaches
- Service Design
- UX / Human-Centered Design
- Public Sector Digital Services

Professional Experience

✦ Unité de Gouvernance Digitale (UGD) – Antananarivo, Madagascar

Lead Software Engineer
Dec 2024 – Present

- Leading national-scale digital platform development to improve citizen services.

- Driving modernization strategies, transitioning legacy systems to modular, cloud-native solutions.

- Mentoring teams of engineers, promoting best practices in software design, interoperability, and incremental adoption.

Software Engineer
Nov 2020 – Dec 2024

- Developed a federated identity provider, integrating multiple IdPs for seamless authentication across agencies.

- Improved user accessibility through intuitive design and clear information architecture.

- Worked closely with product owners and policymakers to align engineering with governance and strategy goals.

- Supported incremental system upgrades, enabling adoption even in institutions with limited digital capacity.

✦ Rouge Hexagone – Antananarivo, Madagascar

Software Engineer
Dec 2015 – Nov 2020

- Built and maintained responsive front-end systems for enterprise applications across mobile and desktop platforms.

- Delivered modular UI components, improving scalability and performance.

- Contributed to building robust, maintainable front-end architectures that supported long-term transformation.

✦ Cœur et Conscience (Freelance) – Antananarivo, Madagascar

Software Engineer
Apr 2014 – Dec 2015

- Designed and delivered a web application for child sponsorship programs, reducing administrative work and improving transparency.

- Enabled the NGO's shift from manual workflows to automated digital solutions.

✦ **IdSoft Ltd. Mauritius –** Antananarivo, Madagascar

Software Engineer

Jan 2013 – Apr 2014

- Developed and optimized e-commerce modules for a German auto parts platform.
- Used ASP.NET MVC, C#, and JavaScript to improve functionality, scalability, and UX.

✦ **Ministère de la Justice –** Antananarivo, Madagascar

Software Engineer Intern

Jan 2012 – Jul 2012

- Built a web application to manage careers of civil servants, automating HR workflows.
- Introduced digital tools in a traditionally paper-based administration, supporting early e-government modernization.

Education

- Master II in Computer Science, Superior Polytechnic Institute of Madagascar

Languages

- Malagasy (Native)
- French (Fluent)
- English (Professional proficiency)