

Civil status

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Qualities

Initiative, Rigor, Perseverance and Teamwork

Professional Experiences

- **December 2017 till now:** DevOps at Ariary.Net (the first online Malagasy payment)
- **November 2017 :** Mentor at Django Girl Antananarivo Workshop
- **December 2016 to March 2017 :** Web Developer at Ariary.NET
- **September 2016 to December 2016:** Creation of a stock management application for Itokiana's drugstore
 - Web application :
 - Front-end : AngularJS
 - Back-end : Symfony
 - Mobile application :
 - Framework : Ionic v2
 - Features :
 - Stock Management
 - Billing Management
 - User Management
 - Inventory supply prediction based on machine learning
 - REST API architecture
 - Chat modules between users
 - SMS push for each out of stock
- **July 2016 to September 2016:** System administrator intern at the Bank Of Africa Antaninarenina:
 - Theme: « Automatic Backup of agencies »
 - Tasks done:
 - Installation of file server (SAMBA) (Debian Jessie)
 - Shell programming, server side
 - Group Policy Object(GPO) under Windows server 2008
 - Software and system deployment using MDT
 - User remote support (server SCCM)
 - Computer and new printer IP addressing
 - Computer maintenance
- **April 2016:** System administrator « AMS Garage (Talatamaty) »
 - Setting up Web Server (NGinx) (Ubuntu Server 14)
 - Configuration of MongoDB
- **January 2016 to July 2016:** Volunteer web developer at « Teach For Madagascar »

- **July 2015 à September 2015:** System administrator intern at “Agence Nationale de Réalisation de l’E-Gouvernance de Madagascar (ANRE)”
 - Theme: « Web Apache server’s security» with RedHat (CentOS 6)
 - Tasks done:
 - Configuration of new apache directives
 - Configuration of the name server (bind9)
 - Implementation of a proxy server (Squid Guard)
 - Development of ModSecurity script, ModEvasive script, ...
 - Configuration Firewall UFW and IPTables

Student Project

- **Smart-Car - May 2018 - ESTI :**
 - Technology : Arduino and Python
 - Description : The project was to build a small scale intelligent car that can follow a line to circulate, interact with traffic lights (green: it accelerates, orange: it slowed, and red: it stops)
- **Delivery Drone - April 2018 - ESTI :**
 - Technology : Raspberry and Python
 - Description : The project was to allow a drone to deliver a package to a given location on Google MAP
- **Teaser Game - March 2018 - ESTI :**
 - Technology : Android
 - Description : Create a simple teasing game to understand the basics of design pattern
- **Spam Filter - February 2018 - ESTI :**
 - Technology : Python
 - Description : Creation of an application that automatically detects SPAM based on word dictionaries created by the application itself. (Based on the Bayes formula)
- **Relooking - December 2017 - ESTI :**
 - Technologie : Python, Arduino, NFC
 - Description : The project is to be implemented in commercial centers. The device detects the types of clothing taken by the subject and its color. The application offers clothing appropriate to the clothing styles of the subject as soon as it passes in front of a mirror.

Skills

- **Cloud computing :**
Amazon Web Service, Google Cloud Computing, Alibaba Cloud
- **Database Management:**
MariaDB, PostgreSQL and MongoDB
- **Software development**
 - Languages: Pascal, C, C++, Java, Python
- **Web Development**
 - Languages: HTML5, CSS3, PHP, ES6
 - Framework : Django, Flask, Fat-Free, Codeigniter, Symfony, AngularJS, Bootstrap

- **Others**

- Script programming language: Shell, Batch, PowerShell
- CMS: WordPress
- Security tools: Iptables, fail2ban, ModSecurity, ModEvasive, PfSense

Course

2017: Master 1 in Infrastructure and Cybersecurity (ESTI – Ecole Supérieure de Technologie de l'Information)

2017: Semester 5 in Mathematic Informatics and statistic applied (University of Antananarivo)

2016: IT License option development (EST-UF - École Supérieure de Technologie)

2015: DTS in computer science (EST-UF - École Supérieure de Technologie)

2013: Baccalaureate (Lycée d'Enseignement Général Miarinarivo Itasy)

Certifications:

- « Reprenez le contrôle à l'aide de linux »
- « AWS Solution Architect – Associate »
- « CCNA 200-125: OSPF Mastery »
- ... (many more to discover on LinkedIn)

Competition and Training

- **September 2018** : IT Security Summer School | Université de Passau
- **August 2018** : Guest speaker : "Fraud with mobile payments" | UIEE - OIF
- **July 2018** : Jury's favorite | Madagascar HOPE Hackathon
- **July 2018** : Winner Hackathon | "World Summit Awards - Madagascar" PRO and STUDENT category
- **Mai 2018** : Participation webcup 2018
- **September 2018** : Winner of the best innovation at the "Expo-Finance Fair" (Mobile system paiement with QR Code and Facebook App paiement)
- **October 2016**: Participation in « Hackathon RiskS »

Languages

- Malagasy: Fluently
- French: Medium
- English: Medium
- Russe: Notion

Social Network :

- LinkedIn: Bako Harry Rakotondratompo
- GitHub: HarrylepaP
- Facebook: Bako Harry Dev
- HackerRank: Harrylepap
- Root-Me: Harrylepap

I declare on my honor that the information below is true and correct.

Bako Harry Rakotondratompo