Aline Abimana

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@ *Profil Linkedin*

SUMMARY OF SKILLS

- Software analysis and development
- Project management (certified PMP)
- Object oriented programming
- System security assessment
- University training in Science and Information Technology with focus on Software Engineering, Embedded Systems and, Information Security
- Bilingual : Fluent French and English.

TECHNICAL KNOWLEDGE

- Programming languages: C, Java, .net, Python, Javascript (nodejs), PL/SQL
- System analysis: UML
- Database: SQL-SERVER, Postgres, MYSQL et Oracle
- OS : Linux, Windows
- Methodology: Agile and Waterfall software development
- Tools : Confluence, Jira, Visio, Asana, Eclipse, Visual studio.net, Microsoft 365

PROFESSIONAL EXPERIENCE

Advanced Software Developer II
Rohde & Schwarz, multinational company, +13K employees, Kigali, Rwanda Dec. 2019 – March 2024

- Develop and maintain the company's products in collaboration with teams in Germany and others;
- Contribute and work on system architecture topics ;
- Train on topics in relation to software development ;
- Mentor and assist junior developers, new developers and interns.

Technologies used : C/C++, CMake, CI/CD, Python, Agile, Confluence, Jira, Linux

Software Consultant
Tech Click Ltd, Kigali, Rwanda (part-time, on-off)   January 2019 – Now

- Provide assistance in software(s) implementation;
- Software documentation, design and development ;
- Assistance to company's customers after and during system installation ;
- Project/Team management.

Technologies used : Javascript (nodejs), UML, Agile, Waterfall, Asana, Visio, Linux, Windows, Postgres and MYSQL.

Software Developer, Analyst

Irembo, Kigali, Rwanda   *Févr. – July 2019*
Guaranty Trust Bank - GT Bank, Kigali, Rwanda   *September 2016 - July 2017*

- Develop new softwares and maintain existing systems such as IremboGov which is a platform giving access to the government services of Rwanda;

- Determine and document the system needs of the bank and customers;

- Assess systems vulnerability and fix and/or report accordingly;

- Provide advice on information systems policies, management and security.

Technologies used : Java, Agile, Confluence, Jira, Windows, Postgres, MYSQL, .net, Linux, SQL-SERVER and Oracle.

Systems Administrator

GT Bank, Kigali, Rwanda   *June - September 2016*

- Responsible of the IT infrastructure mostly servers ;

- Ensure servers are operational and functioning effectively;

- Develop and maintain some of the components of the bank's applications ;

- Deploy applications and ensure availability as needed.

Technologies used: Windows, Linux, Visio, SQL-SERVER and Oracle

Intern in IT

National Bank of Rwanda – BNR   *October 2014 – February 2015*

- Participate in making the enterprise architecture for the bank following TOGAF framework;

- Training in database administration (Oracle).

Technologies used : Visio, TOGAF, Windows, Oracle

OTHER PROFESSIONAL EXPERIENCE

Lecturer, Data Structures and Algorithms   *September 2023 – Now*
Adventist University of Central Africa
Teaching Assistant, Data Structures and Algorithms for Engineers   *May 2018 – August 2019*
Université Carnegie Mellon Afrique – CMU Africa, Kigali, Rwanda

- Teaching ; Class work preparation and grading.

- Conduct course labs, along with solutions for assignments ;

- Hold office hours to answer the students' questions and help with exercises;

- Provided support for various administrative functions, and to the new students (CMU).

Technologies used : C, Linux

EDUCATION

Master of Science in Electrical and Computer Engineering (MSECE)
Carnegie Mellon University (Pittsburgh), Africa branch – CMU   2017-2018
Specializations: Software Engineering, Embedded Systems and, Information Security
Technologies used : C/C++, CMake, Java, Matlab, Windows, Linux, assembly language.

Bachelor of Science in Information Technology
Adventist University of Central Africa   2010-2014
Specializations: Information Management
Technologies used : C, C#, Java, Apache Tomcat, SQL-SERVER,MYSQL, Windows.

References will be provided upon request.

Aline Abimana

<u>Cover letter</u>

Dear Madam/Sir,

I am hereby applying for the position.

Not only was my interest picked by the position but also the organisation. I have more than 7 years of experience in IT systems development. During my career, I evolved through various structures and fields of activity. My different experiences allowed me to design, integrate, test computer systems, identify technical problems and implement solutions to resolve them, collect and document user needs, maintain existing programs, participate in the training of new programmers, and collaborate with teams locally and internationally.

In the projects I worked on so far, I got to use different programming languages: C, Java, Python, Javascript (nodejs, jQuery,..), HTML, CSS, etc.. where I worked at time as software developer, team lead, project manager and then, got to also train both as a lecturer at University and also as trainer or mentor to younger developers.

Recognized for my professionalism and my sense of service, I attach great importance to the success of the missions entrusted to me.

Looking forward to hearing from you.

Best regards.

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