# CURRICULUM VITAE

## PERSONAL INFORMATION

**Eng. Alfred NTAGANDA**

No 4KK34ST, Kigali, Rwanda

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✉ njesus05@gmail.com

Sex: Male
Date of birth 08/12/1985
Nationality Rwandan

## CARRIER OBJECTIVES:

I aspire to be a creative and innovation engineer. I want to contribute to the development of Rwanda Cyber security my focus is on Network/ Digital forensics.

## SUMMARY:

Eng. Alfred NTAGANDA is an experienced Information Security Analyst and Cyber Security Specialist, having skills in Penetration Testing and Vulnerability Assessment, Computer Forensics and Wireless Network Audits using Open Source tools having conducted many Course in the field of Security with experience of 8 years in Network and information Security

## WORK EXPERIENCE

**Pergamon Group Ltd Rwanda branch**

**From 1st April 2012 up 26th November 2012.**
Working as Software support engineer.

**Worked with Rwanda Natural Resource Authority**

**1st January 2011 to 24th March 2012**
Data Collector, Lease and Collating.

**Worked as a Teacher at APECOM Senior Secondary School.**

**From Dec 2005 and March 2007.**

Head of Computer department at APECOM secondary school.

Teaching computer hardware, software and Basics of Microsoft office.

**Worked with Ministry of Defence Rwanda(MOD)**

**From October 2013 –3rd April 2019**

Working as Network Security Engineer in networking department

NB: I am a civilian consultant there not military personnel.

I am currently dealing with network monitoring and

forensics investigation as well as evidence handling.

**Rwanda Information Society Authority (RISA)**

**From 4<sup>th</sup> April 2019 up to now**

**Position**: Information System Security Analyst

- Monitor computer networks for security issues.

- Investigate security breaches and other cyber security incidents.

- Install security measures and operate software to protect systems and information infrastructure, including firewalls and data encryption programs.

- Document security breaches and assess the damage they cause.

- Work with security team to perform tests and uncover network vulnerabilities.

- Fix detected vulnerabilities to maintain a high-security standard.

- Stay current on IT security trends and news.

- Develop company-wide best practices for IT security.

- Perform penetration testing.

- Help colleagues install security software and understand information security management.

- Research security enhancements and make recommendations to management.

- Stay up-to-date on information technology trends and security standards.

## PROFILE

Possess a wealth of self-motivation and personal time management under minimum supervision in the work place. Experience in engineering software use and motivated in cyber security courses, penetration testing and forensic investigation.

## ACADEMIC PROJECT

I developed a system known as an event calendar management for National university of Rwanda during my dissertation.

## ACHIEVEMENTS

## Leadership

Student Representative at high school

Designer and admin of a web site for Japan-Rwanda youth cooperation (www.jryc.jimdo.co

I, Wrote and published Articles in a website of Japan Rwanda youth cooperation, a student's union web site www.jryc.jimdo.com

In 2012 January, at the Waseda University of Tokyo, during JRYC conference and workshop of JRYC, I was awarded as the best presenter of the year 2012 for all JRYC presenters. My presentation was the Role of ICT for Rwanda development.

## VOLUTEER WORK

- Taught ICT to the children using tools such as MS word, MS PowerPoint, MS Excel in the ICT4KIDS program.

- Security Vulnerability assessments mostly on the government web applications using open source tools these include Netsparker, nesus and Acunetix

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## TECHNICAL SKILLS

### Language & Frameworks

Java, J2EE, MEAN stack (MongoDB, Express JS, Angular JS, NodeJS), PHP, XML, laravel

and Android , D3JS, HTML5, Oracle, R , Matlab.
Having knowledge on **Software customization** and software applications.

Knowledge on **Cyber security** courses.

Knowledge on **cryptography** and **Network security.**

Knowledge on **Java programming**, **C, C#, C++**

Cryptography: Symmetric encryption, Asymmetric Encryption, Hashing, Cryptographic Applications, PKI, Trust models

AccessControlandAuthentication: RADIUS,TACACS+, LDAP,

SAML, Kerberos, CHAP,PAP,EAP.

Application Security Controls, Mobile Device Security, Host based Security.

User Interface
HTML, DHTML, CSS, JSP, AngularJS, Bootstrap, and Swing as application and applets
**Database**
Mongo DB, MYSQL, PostGRE SQL, Oracle
**Graphics and Design**
Adobe Photoshop, Macromedia Dreamweaver, Macromedia Flash, Macromedia Fireworks, adobe

Illustrator, Microsoft FrontPage.

**Operating System**
Windows, UNIX, Red Hat Linux

## EDUCATION AND TRAINING

### EDUCATION

**African Center of Excellence Data Science (ACEDS)**
**National University of Rwanda** in Partnership with World Bank
Specialized in Masters of Data Science /Data Mining 2018-2020
**Second Class Honors, Upper Division**

**National University of Rwanda,** From
Aug 2007– February 2012 Rwanda

Specialized in Cryptography and Networking security.
**Second Class Honours, Upper Division**
**Bachelor's Degree in Computer Science and Systems**.

**Lycee de Kigali Rwanda, Got**
**Senor Six Certificate.** From
June 2003- October 2005.

**Kiziguro Senior Secondary**
**School Got Olevel Certificate.**
From October 1999- April 2002.

**Nyakayaga Primary School**
**Primary Certificate**
From October1995- October 1999.

### TRAINING & CERTIFICATIONS

**ICT-Expert Training (Cyber Security)**
From Sept 2012 – Sept 2013.
By NT Global Solutions

**Microsoft Security Training**
Sept 2014 - Sept 2015
By NT Global Solutions

**Network Security Training**
From Sept 2016- Dec 2016 By
RMAR Technology Pvt Ltd.

**Information Security**:
Context and Introduction
From Oct 9, 2020
**From University of London**
By Coursera.

**Information System
Auditing, Control and
Assurance**
From Oct 9, 2020
**From University of Hong Kong
University of Science and
Technology** by Coursera.

**Technical Support Fundamentals**
From Oct 12, 2020
**From Google** by Coursera.

**Cybersecurity and Internet of
things**
From Oct 7, 2020
**From University System of
Georgia** by Coursera

**IT Project Management**
From Oct 7, 2020
**From Indian School of
Business** by Coursera.

**Managing Network Security**
From Oct 8, 2020
**From University System of
Georgia** by Coursera

**Autopsy Certificate**
From April 21, 2020
**From BASIS Technology**

**Block Chain Fundamentals
&Applications**
From August 13th to 17th 2018
**From ACEIOT at UR with
Block Chain EXE from
JAPAN**

**Kaspersky Endpoint
Security & System
Management (KL009.10)**
From Jan 10, 2020
From Kaspersky HQ Dubai

**Kaspersky Endpoint
Security & Management
(KL002.11.1)**
From Jan 10, 2020
From Kaspersky HQ Dubai

**Kaspersky Endpoint
Security & Management
Advanced Skills (KL302.10)**
From Jan 10, 2020
From Kaspersky HQ Dubai

**Kaspersky Endpoint
Security & Management
Encryption (KL008.104)**
From Jan 10, 2020
From Kaspersky HQ Dubai

**NSE1 Network Security Associate**
Expert Certificate
From Jan 28, 2020

**NSE2 Network Security Associate**
Expert Certificate
From Jan 29, 2020

**Constructing Secure Network**
(SD-WAN)
By Fortunate from August 21 2020

**Fortifying the Enterprise
Network** (NGFW v6.4)
By Fortunate from August 14, 2020

**GDPR Principles Certificate**
By Kaspersky
From June 8, 2020

**Cybersecurity Basics
(Emails)**
By Kaspersky
From June 8, 2

**Cybersecurity Basics**
**(Passwords & Accounts)**
By Kaspersky
From June 8, 2020

**Cybersecurity Basics**
**(Web browsing)**
By Kaspersky
From June 8, 2020

**Consultancy Management**
**Certificate**
From **EPRN** on 19$^{th}$ -21$^{st}$ July, 2019

**Planning Monitoring &**
**Reporting of Projects Certificate**
From **EPRN** on 6$^{th}$ – 8$^{th}$ Sept, 2019

**Poverty Analysis Using STATA**
**Certificate** from EPRN on 23$^{rd}$ –
24$^{th}$ March 2019

**Introduction to E-VIEWS**
**Certificate** From EPRN on 9$^{th}$ –
11$^{th}$ August 2019

CCNA 1 & CCN2 **Certificates**
LIVE 2 LEAD (Leadership)
**Certificate**

## PERSONAL SKILLS

**Mother tongue(s)**
**KINYARWANDA**

**Other language(s)**

**English**

**French**

| UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|
| Listening | Reading | Spoken interaction | Spoken production | |
| C2 | C2 | C2 | C2 | C2 |

I studied English from primary until university and I have English Language Certificate from National University of Rwanda and

| C1 | C1 | C1 | C1 | C1 |
|---|---|---|---|---|

English Proficiency Certificate from National university of Rwanda school of Languages (EPLM)

**Communication skills**

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

**Organizational & managerial skills**

▪ Having good communication skills obtained from my working experience and through the research and training done in country and abroad.

▪ Leadership skills and experience gained from my work and during my undergraduate studies

- Team working spirit and flexible to all
- Representing JRYC students in different conferences in Japan and in Rwanda
- Decision making skills and time management
• Target setting and meeting target.

**Job-related skills**

▪ Capable of monitoring network intruders and protect them.

▪ Advanced Cyber Security Skills able to do Penetration Testing and Vulnerability Assessments.

▪ Critical thinking Capability in Problem Solving

▪ Forensic Investigation and Evidence handling with limited skills.

**Digital skills**

| Information processing | Communication | Content creation | Safety | Problem solving |
|---|---|---|---|---|
| Proficient User | Independent User | Independent User | Independent User | Independent User |

SELF-ASSESSMENT

Levels: Basic user - Independent user - Proficient user

Digital competences - Self-assessment grid

| | |
|---|---|
| **Other skills** | <ul><li>Good command of Microsoft office suite (word, excel, excess and publisher) learnt from school.</li><li>Good command of Network Security able to Test code errors and patch them</li><li>Good command of photo editing software by use of Photoshop gained as</li><li>business by making brochures and banners used in different occasions.</li><li>Good knowledge of social media usage and local area network protection and management.</li><li>Good in Rwandan Traditional Dancer</li><li>Carpentry limited skills</li><li>Computer Hardware Maintenance Skills.</li></ul> |
| **Driving licence** | **Category B obtained** |
| **ADDITIONAL INFORMATION**<br><br>**PRESENTATIONS AND PROJECTS** | <ul><li>Cyber Security Awareness in Rwanda. By Alfred NTAGANDA</li><li>Behaviour Analysis of Web Service Attacks By Alfred NTAGANDA</li><li>Impacts of Slacktivism By Alfred NTAGANDA</li><li>Impacts of Internet of Things to the Rwandan Society By Alfred NTAGANDA</li></ul> |
| **PUBLICATIONS** | <ul><li>Differentiating safe driving from unsafe driving using mobile phone sensors</li><li>Cybersecurity Awareness</li><li>White paper on cryptocurrency & bitcoin</li><li>White paper on social media & slacktivism</li></ul> Prediction of Tourism Revenues in Rwanda: a case study of Volcano and Nyungwe National Parks |
| **REFERENCE** | 1. Claudette Irere working as Minister of state in charge of TVT and Technology, at Ministry of Education.<br> Tel: +250788608184<br><br>2. L Col Nubaha MukinziI Deo Head of IT in Reserve Force<br> Tel: +250788846600<br>Email: nubahadeo@yahoo.fr<br> 3. L Col . Rutayisire Eugene works with ministry of Defence Rwanda (MOD) Tel; +250 788 672530.<br>Email: rutabanks@yahoo.com<br><br>I declare that the above information is true and only concerns me.<br><br>**NTAGANDA Alfred**                                    **Date: 19.04.2021** |