

## CURRICULUM VITAE (CV)

**Name:** Fred Byamugisha

**Professional Focus:** Software Development & Leadership in a technology driven organisation.

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## SUMMARY

Skilled software engineer and technology leader with over 20 years of experience in designing and delivering innovative software solutions, with a strong focus on Telecom, Banking and e-Government sectors. Proven expertise in leading technical teams, architecting scalable systems, and driving impactful projects such as payment solutions, API integrations, and mobile value-addition services. Proficient in agile methodologies and modern technologies, I am eager to leverage my technical and leadership skills to advance innovation in a FinTech environment.

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## 1. EDUCATION AND QUALIFICATIONS

Institution	Degree(s) or Diploma(s) Obtained
Central South University, Hunan, China Oct 2000 – Jul 2003	Master of Engineering in Computer Applications & Technology
Makerere University, Kampala, Uganda Sep 1996 – Jun 1999	Bachelor of Science with Education (Mathematics & Physics) – Upper Second Class

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## 2. KEY TECHNICAL SKILLS

- **Programming Languages:** C#, Java, NodeJS, JavaScript, IBM Gateway Script
  - **Technologies & Tools:** API Development (IBM API Connect, DataPower), USSD, SMS Gateways, Agile Software Development, System Analysis & Design, Cloud Computing, DevOps
  - **FinTech Expertise:** Payment solutions, Mobile Financial Services, API Integrations, API Development, USSD & SMS solution development
  - **Leadership:** Team Management, Project Coordination, Technology Strategy, Solution Architecture.
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### 3. EMPLOYMENT RECORD

Date, Organization, Position	Job Purpose and Key Achievements
<b>May 2023 - Present</b> <b>Stanbic Bank, Uganda</b> <b>Software Engineer,</b> <b>Partnerships &amp; Ecosystem</b>	<ul style="list-style-type: none"> <li>- Developed and published bank APIs using IBM API Connect and DataPower for third-party consumption.</li> <li>- Led payment notification integrations with external systems.</li> <li>- Developed USSD and third-party integrations for Flexipay services on IBM Datapower.</li> </ul>
<b>Jul 2019 – May 2023</b> <b>Stanbic Bank, Uganda</b> <b>Senior Applications Developer</b>	<ul style="list-style-type: none"> <li>- Technical lead for Wallet Flexipay, Borderless Banking, and integrations with URA, NIRA, Hima, and MTN.</li> <li>- Exposed core banking services via IBM DataPower for mobile, portal, and USSD channels.</li> <li>- Established SMS Gateway and developed an enhanced SMS transactional notifications solution for the bank.</li> </ul>
<b>Aug 2017 – Jul 2019</b> <b>PEAR Technology, Uganda</b> <b>Chief Technology Officer</b>	<ul style="list-style-type: none"> <li>- Formulated technology strategy and led a team of data specialists and software engineers.</li> <li>- Secured a 3-year BI consulting partnership with PBT Group (South Africa) for MTN Uganda, Nigeria, and Zambia operations.</li> <li>- Led delivery of custom software solutions tailored to the client's needs clients.</li> </ul>
<b>Jan 2013 – Aug 2017</b> <b>National Information</b> <b>Technology Authority - Uganda</b> <b>(NITA-U)</b> <b>Manager, Application</b> <b>Solutions</b>	<ul style="list-style-type: none"> <li>- Led delivery of e-Government projects including One Stop Centre, e-Single Window, and e-Visa.</li> <li>- Led the National ID APIs development, enabling secure data sharing across government agencies.</li> <li>- Introduced government system integration solution for efficient service delivery and data sharing across the government (World Bank-funded).</li> <li>- Led development of Government Portals and online services</li> </ul>
<b>Jun 2011 – Jan 2013</b> <b>MTN IT Shared Services, South</b> <b>&amp; East Africa</b> <b>Manager - Planning and</b> <b>Solution Architecture</b>	<ul style="list-style-type: none"> <li>- Together with MTN Group Technology, Architected shared IT services (billing, BI systems) across MTN operations in Uganda, Zambia, Rwanda, and Swaziland.</li> <li>- Accelerated VAS solution rollouts through system integrations.</li> <li>- Led standardisation of all inhouse developed solutions and integrations to standard and MTN Group approved systems</li> <li>- Led standardisation and upgrade of MTN Zambia USSD solution</li> </ul>
<b>Jun 2007 – Jun 2011</b> <b>MTN Uganda</b> <b>Manager – Systems</b> <b>Development</b>	<ul style="list-style-type: none"> <li>- Led Mobile Money Valued-Added Service (VAS) development, including USSD-based bill payments.</li> <li>- Developed MTN 3G, MTN Voice and Freedom bundles provisioning solutions. Accessible through SMS and USSD, boosting customer engagement.</li> <li>- Earned CEO recognition for innovation of mobile VAS solutions (2010).</li> </ul>

<b>Date, Organization, Position</b>	<b>Job Purpose and Key Achievements</b>
<b>Oct 2003 – Jun 2005</b> <b>MTN Uganda</b> <b>Senior Development Analyst</b>	- Lead developer for SMS based MTN Me2u and DealerMe2u airtime-sharing platforms. - Managed MTN Uganda's website and intranet solutions.

#### 4. ICT PROFESSIONAL CERTIFICATIONS

- ITIL – Manager's Certificate in IT Service Management
- ITIL Foundation Certificate in IT Service Management
- SCP - Sun Certified Programmer for Java
- OCP DBA – Oracle 8i Certified Professional Database Administrator
- MCSD – Microsoft Certified Solution Developer
- MCDBA – Microsoft Certified Professional Database Administrator
- MCSE – Microsoft Certified Professional Systems Engineer
- MCP – Microsoft Certified Professional

#### 5. AWARDS AND RECOGNITIONS

- **ICT Sector Recognition (by Minister of ICT)** – Outstanding Performance and Commitment to NITA-U (2014)
- **MTN Uganda CEO Award** – Outstanding Innovation Value (2010)
- **MTN Uganda CEO Award** – Excellent Performance (2007)

#### 6. REFEREES

- **Dr. Excellence Favor**  
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- **Dr. Samuel Muhanguzi**  
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