

MUKASA STUART

HD COMPUTER SCIENCE

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Professional Summary

- I am an accomplished Full Stack web developer with a strong belief in the power of continuous learning within the ever-evolving landscape of Information Technology. Recognizing the rapid pace of technological advancements, I am deeply committed to staying updated and expanding my skill set. This commitment to perpetual learning informs my approach to every project, driving me to adapt to emerging trends and leverage the latest technologies. In each project, I not only aim to deliver high-quality solutions but also see it as an opportunity to grow my knowledge. Embracing new challenges, exploring innovative solutions, and integrating best practices are key aspects of my journey, allowing me to refine my coding proficiencies. I carry forward the lessons from each project, applying them to create future-ready software products and web applications. My development philosophy, encapsulated in the mantra 'Make it work, make it better, make it fast,' underscores not only my dedication to quality and efficiency but also my belief that learning is a lifelong journey. As the IT landscape continues to transform, I eagerly embrace the exciting learning opportunities it offers, ensuring that my skills and projects remain at the forefront of technology."

Technology Skills

- C#, Java
- Angular(Basic)
- React(Basic)
- Css3, Bootstrap
- Asp.Net, Entityframework, Linq
- SpringBoot
- Dependency Injection
- Ms Sql, Oracle, Postgress, Mysql
- Xml, Json
- Rest, Soap
- Visual Studio, Vs Code, Notepad++, Netbeans, IntelliJ
- **Certifications:**
 - Az-900 Microsoft Azure Fundamentals (Microsoft)
 - Fluent API development (LinkedIn learning)
 - Oracle 12C Advanced SQL (LinkedIn learning)
 - GIT version Control (LinkedIn learning)
 - .NET CORE (LinkedIn learning)

Education

January 2023 - January 2024 | National College of Ireland | Higher Diploma in Computer Science (1:1)

Modules: Databases, Object Oriented Software Engineering, Software Development, Web Design and Client-Side

Scripting, Computer Architecture Operating Systems and Networks, Data Structures, Algorithms and Advanced Programming, Distributed Systems.

September 2008 - January 2012 | Makerere University | Bachelor of Science in Information Technology 2:1

Modules: Communications Technology, Business communication and report writing, Basic management Skills, Communication skills, System administration, Business application programming, Principles of programming, Information systems, information systems development, Electronic commerce, scripting languages, Database languages, Database management systems, software engineering, CISCO certified network associate.

Work Experience

April 2021 – July 2023 | Stanbic Bank Ltd, Kampala | Software Engineer

From March 1st, 2021, to 2023 March, I worked at Stanbic Bank Ltd in Kampala as a Software Engineer / IT Support. During my time there, I completed several projects and tasks including:

1. Developed a workflow tool for monitoring POS (Point of Sale) terminals from request to delivery. This tool allows digital consultants (bank branch users) to record customer POS requests and follow them through to the final stages of installation. The system also tracks turnaround time (TAT) to increase efficiency. For this project, I used ASP.NET, SQL database, Entity Framework, Bootstrap, JavaScript, CSS, and HTML5. The project was hosted on IIS (Internet Information Services) and was reviewed and approved by the bank's security team after performing penetration tests.
2. Developed a Windows service program for generating international wire transfer reports (IWTR) for the bank. The project involved picking up all inward and outward transactions and writing them to an XML file that followed a schema provided by FIA (Financial Intelligence Authority). The project was designed to monitor money laundering, and the service would execute only once a week. Technologies used for this project included C#, Entity Framework, Oracle database connector, and Windows service.
3. Developed a Token Notification Service, which involved another Windows service for sending out tokens after a customer bought electricity tokens. The service was triggered any time a customer paid their bill. Technologies used for this project included the C# language, Entity Framework, SQL, Webservices, Oracle database connector, and Windows service.
4. Developed a Global Markets Portal, enabling Stanbic bank customers to directly deal with the global markets team. Customers could load e-markets, general markets, and Business Online requests, and bank staff could work on them in real-time. Technologies used for this project included ASP.NET, Web Forms, Bootstrap, CSS, jQuery, and JavaScript. The application was deployed on IIS.
5. Worked as technical support for the E-banking team, ensuring that the bank's internet banking, USSD, and smart app were always up and running. I also ensured that the bank's core banking was up by continuously monitoring the application through logs and server monitoring.
6. During my time at Stanbic Bank, I was recognized as the 2nd runner-up for having a curious mind, going beyond what was required of me by delivering excellent results. I also handled customer queries and issues, always ensuring a consistent level of customer service.

February 2017 – March 2021 | Tropical Bank Ltd, Kampala | Software Engineer

1. Developed an E-Banking reconciliation tool to reconcile transactions against general ledgers, identifying failed transactions and double entries. The application was developed using C#, ASP.NET, MS SQL, HTML5, CSS, Bootstrap, and hosted on IIS.
2. Created a tool for the bank to clean CIB reports by identifying inconsistent and unformatted data for cleaning before submission. Utilized C# Webforms and SQL database for application development.

3. Contributed to upgrading the T24 core banking system from R15 to R19 by developing essential subroutines for migrating customer details, account details, loan details, and more from the old to the new system. Data source was JBASE. Technologies used: Infobasic, T24, SQL, and Infobasic.
4. Implemented subroutines for integrating the Cheque Truncation System (CTS) with core banking at Tropical bank, enhancing the cheque clearing process. Technologies used: Infobasic, JBASE, and ATM switch.
5. Integrated the core banking system with agent banking, allowing individuals or business owners to perform bank transactions on behalf of the bank. Technologies used: T24 Core banking, ISO messages, and JBASE.
6. Worked on the School Pay Project, integrating the bank's core banking with an external system for student school fee payments. Leveraged Infobasic, JBASE, Java, and Webservices for achieving seamless communication within the system.

September 2013 – January 2017 | Crystal clear software Ltd, Kampala | Junior Software Engineer.

1. At Crystal Clear Software, I held a position as a junior developer and contributed to the Loan Performer application. Loan Performer is developed utilizing Microsoft Visual FoxPro and C#.Net technology with an MS SQL database.
2. My responsibilities included addressing bug reports submitted by customers, tracked and managed through the CRM system. These issues were assigned to my queue for resolution.
3. Additionally, I implemented new features and enhancements based on customer requests. Notably, I developed a tenant module for a client from Tanzania in response to their specific requirements.
4. As part of the improvement process, I converted several reports from FoxPro to C# ASP.net within the Loan Performer application.
5. Within the Loan Performer application, I focused on optimizing client databases by resolving duplicate entries and provided training and support to users.

Hobbies and Interests

- Technology and engineering.