CURRICULUM VITAE

PERSONAL INFORMATION:

First Name:	John
Middle Name:	Silas
Last Name:	Okello
Date of Birth	25th March 1997
Nationality	Ugandan
Current location	Shiga, Japan
Current address	619 Itanity Ihara 9-34 1chome Kasayama Kusatsu-shi, Shiga-Ken 525-0072
Telephone	+8108040254925
Email Address:	johnsilasokello49@gmail.com
Github:	github.com/okellojohnsilas

PROFESSIONAL SUMMARY:

I am a self-motivated and personable software developer with a proven ability to translate complex business needs into streamlined and innovative technical solutions. Recognized as a team player, I excel in collaborative environments, working seamlessly with team members to implement and manage existing business platforms. My adaptability shines through when collaborating with data and operations teams to ensure the fulfillment of customer needs.

In addition to my core competencies, I possess specialized skills in Machine Learning and Deep Learning, particularly in the realm of cancer research and radiomics. My expertise extends to tackling technical issues, creating and maintaining comprehensive system documentation, conducting quality assurance and testing, and delivering technical training to teams and partners.

Backed by a solid academic and technical foundation, I bring efficiency to the creation of unique solutions for both clients and proprietary applications. I am adept at participating in the development of project infrastructure and defining application aesthetics and functionality based on user interactions. My holistic approach ensures that not only are technical requirements met, but user experiences are also optimized.

My commitment to staying at the forefront of technological advancements, particularly in the field of Machine Learning, underscores my dedication to delivering cutting-edge solutions, especially in the critical domain of cancer research and radiomics.

EDUCATIONAL BACKGROUND:

2022 - Present   **Masters of Information Science and Engineering**
Ritsumeikan University
Shiga, Japan

2019 - 2022   **Bachelors of Business Information Technology**
Strathmore University
Nairobi,Kenya

2018 - 2019   **Diploma in Business Information Technology**
Strathmore University
Nairobi,Kenya

2017   **Uganda Advanced Certificate of Education (U.A.C.E)**
Lugazi Mixed Secondary School
Kampala,Uganda

TECHNICAL COMPETENCIES:

- My extensive software development journey encompasses proficiency in utilizing HTML, CSS, and associated frameworks such as Bootstrap and Tailwind. My expertise extends to JavaScript and its versatile environments, including Node.js. In the realm of server-side scripting, I am adept at employing PHP and its frameworks, particularly Laravel and Codeigniter. Additionally, I have hands-on experience with content management systems like WordPress and Drupal.

- My skills extend to Python and its frameworks, including Django and Flask. I also use Python and its packages like scikit-learn, pandas and numpy in my machine learning endeavors. Particularly notable is my competence in machine learning algorithms and approaches, deep learning techniques, and image processing methodologies like radiomics, with a specialized focus on their applications in cancer research.
- In terms of software design, I utilize tools such as Figma for UI/UX design, as well as UML diagramming software and DataFlow Diagrams. I have a solid background in designing REST API Web Services, facilitating secure data access and flow between applications, coupled with a wealth of experience in seamlessly integrating third-party APIs.
- My proficiency in working with relational databases encompasses SQL, MySQL, Postgres, and SQLite, complemented by expertise in non-relational databases like MongoDB. Troubleshooting and debugging are integral aspects of my skill set, and I employ various tools to ensure seamless software functionality.
- I have a robust background in version control, utilizing Git and version control systems such as Bitbucket and GitHub to manage and collaborate on projects effectively. My multifaceted skill set positions me as a versatile and experienced software developer capable of handling diverse aspects of the development life cycle.

COMPLETED PROJECTS:

I have been able to use my technical skills to create software solutions that are in use to this day as follows:

JBN Consults and Planners Content Management Platform:

In spearheading the JBN Content Management Platform, my objective was to deliver a seamlessly tailored solution for content management, precisely addressing the distinctive needs of JBN Consults and Planners. I meticulously integrated robust features to facilitate effortless content creation, organization, and publication. The platform stands as an embodiment of my dedication to empowering content

administrators through a user-friendly interface, ensuring a streamlined workflow and effective management of their web platform.

Lakeside Farm Management Information System:

The Lakeside Farm Management Information System was conceived to revolutionize agricultural management. This multifaceted system encompasses features for precise crop and animal tracking, resource allocation, and real-time monitoring. The user interface prioritizes accessibility, providing management with invaluable insights and facilitating well-informed decision-making. The Lakeside Farm MIS showcases my unwavering commitment to driving innovation in the agricultural sector.

STEAMLabs Content Management Platform:

Fuelled by a passion for education and innovation, I undertook the creation of the STEAMLabs Content Management Platform. This dynamic platform is a testament to my commitment to crafting a tool seamlessly integrated into educators' methodologies. It boasts features facilitating content creation, collaboration, and interactive learning experiences. The STEAMLabs CMP reflects my dedication to empowering educators with a robust tool to elevate the educational journey for students.

CapaBuil Program Management Information Systems:

The development of the CapaBuil Program Management Information Systems was both challenging and immensely rewarding. My focus was on creating a robust system finely tuned for efficient program management. I meticulously integrated advanced functionalities for project tracking, resource allocation, and reporting. The user interface, designed with project managers in mind, ensures a comprehensive tool for overseeing and optimizing project lifecycles. CapaBuil PMIS underscores my commitment to empowering project managers with the tools essential for success.

WORK EXPERIENCE

June - September 2020   **External outreach team member**

	Students Helping Students Program
	Strathmore University
January - June 2021	**Project Intern**
	Challenge Driven Education Exchange Program
	Strathmore University
2020 - 2021	**Club Ambassador**
	School of Computing and Engineering Sciences Association
	Strathmore University
2020 - 2021	**Senate Advisor**
	Student's Council Presidential Senate
	Strathmore University
February - June 2022	**Software Engineering Intern**
	Software Engineering Division
	MAAT Systems East Africa
June 2022 - January 2023	**Data Analytics Business Development Associate**
	ICT and Data Analytics Division
	CapaBuil Limited

REFEREES:

1. **Mr Otolo Richard**

   Chief Technology Officer,

   8teq Technology Hub,

   Nairobi,Kenya

   richardotolo@gmail.com

   Mobile No: +254731269789

2. **Mr. Oscar Tsie Segongwana**

   Senior Lecturer Faculty of Engineering and Applied Science,

   Botho University,

   Gaborone, Botswana

   oscar.tsie@bothouniversity.ac.bw

   Mobile No: +267 72 851 973

3. **Mr. Don Kamoya**

    Student's Council President (2020 - 2021).

    Strathmore University

    Nairobi,Kenya

    don.kamoya@strathmore.edu

    Mobile No: +254 746563497

4. **Mr. Martin Tarus**

    Chief Innovation Officer.

    MAAT Systems East Africa

    Nairobi,Kenya

    marttkip@gmail.com

    Mobile No: +254 704 808007

5. **Mr. Simon Mwachi**

    Head of ICT and Data Analytics Division CapaBuil Limited

    CapaBuil Limited

    Nairobi,Kenya

    simon.mwachi@capabuil.com

    Mobile No: +254 717 165425

6. **Professor. Yen Wei Chen**

    Professor, College of Information Science and Engineering,

    Ritsumeikan University

    Shiga,Japan