
SIBENDIRE JOSHUA

Full Stack Software Engineer

📍 Mengo, Kampala – Uganda | ☎ +256 784 143 273

✉️ sibendirejoshua@gmail.com

🔗 [LinkedIn](#) | [GitHub](#)

Professional Profile

A results-driven Full Stack Software Engineer with over four years of experience designing and delivering scalable, secure, and high-performing software solutions. Proficient in Java (Spring Boot) and React, with extensive expertise in system architecture, database optimization, and RESTful API development. Skilled in leading development teams, managing Agile workflows, and implementing digital transformation initiatives across education, healthcare, and agritech sectors.

Passionate about applying technology to drive national impact.

Core Competencies

- **Programming Languages:** Java, JavaScript, PHP
 - **Frameworks:** Spring Boot, Hibernate, React, FastAPI, Thymeleaf
 - **Frontend:** HTML5, CSS3, Bootstrap, TypeScript, jQuery
 - **Databases:** MySQL, PostgreSQL, MongoDB, MariaDB, Cassandra
 - **Tools & Platforms:** Git, Docker, Jenkins, IntelliJ IDEA, Android Studio, VS Code
 - **Architectural Patterns:** REST APIs, MVC, SOA, Microservices
 - **Methodologies:** Agile/SCRUM, CI/CD, Test-Driven Development (TDD)
 - **Testing Frameworks:** JUnit, Mockito
-

Professional Experience

Software Engineer – Comprehensive School Management System, Kampala, Uganda

Jan 2023 – Present

- Designed and implemented a school management system adopted by multiple institutions, enhancing data accuracy and digital record-keeping aligned with national education digitization goals.
- Developed core modules including secure authentication, role-based access, academic reporting, admissions, and fee management.
- Optimized database performance by migrating from MySQL to Cassandra, achieving a 70% improvement.
- Led a 10-member development team, managing sprints, code reviews, and stakeholder communication.
- **Tech Stack:** Java, Spring Boot, Thymeleaf, MySQL, Bootstrap, Docker, Jenkins

Software Developer (Remote) – OpenMRS, Kampala, Uganda

Apr 2022 – Present

- Contributed to the OpenMRS open-source health records system used globally, supporting digital healthcare record management initiatives.
- Designed and deployed Java-based modules to enhance scalability and reliability.
- Collaborated in Agile teams to deliver secure, high-quality healthcare technology solutions.

Software Engineer – Agropreneur Digital MARKET, Kampala, Uganda

Jun 2021 – Dec 2022

- Developed a digital agricultural marketplace connecting farmers directly to buyers, contributing to rural digital inclusion.
- Built interactive dashboards and optimized SQL queries, reducing backend response time.
- Automated notification systems and cost-calculation algorithms for improved user experience.
- **Tech Stack:** PHP, JavaScript, Bootstrap, MariaDB

Project Supervisor (Volunteer) – World Vision Uganda, Bundibugyo

Aug 2020 – May 2021

- Oversaw community-based ICT and development projects, supporting local ICT adoption and digital literacy initiatives.
- Facilitated capacity-building workshops and monitored KPIs.
- Strengthened collaboration between local leaders, beneficiaries, and project stakeholders.

Computer Science Teacher – Uphill Progressive Secondary School, Ntoroko, Uganda

2019 – 2020

- Taught Computer Science and ICT to secondary students, promoting early ICT skills development.
- Installed and maintained LAN infrastructure and school software systems.

Selected Projects**License-Based School Management System (Online & Offline Activation)**

- Implemented an offline and online licensing mechanism using HMAC digital signatures to secure software installations.
- Integrated spring interceptors to validate license status before access.
- **Tech Stack:** Java, Spring Boot, Thymeleaf, JSON

Bookshop Management Desktop Application

- Developed a JavaFX-based desktop application for managing sales, stock, and reporting.
 - Packaged as a Windows installer using Launch4j for simplified deployment.
 - **Tech Stack:** JavaFX, SQLite, Launch4j
-

Education

Bachelor of Information Technology – St. Lawrence University, Kampala, Uganda (2018 – 2022)

Certifications

- Java Intermediate Certification – Sololearn (January 2024)
-

Additional Information

- Open to both on-site and remote opportunities
 - Strong leadership, communication, and stakeholder engagement skills
 - Experienced in multi-disciplinary collaboration and technical mentorship
 - Committed to advancing national ICT infrastructure, digital inclusion, and e-governance initiatives
-

Attachments



Serial No:

7143 St. Lawrence University - (Slau)

Tel: +256 414 693 122, +256 414 270 082, P.O. Box 24930 Kampala-Ug. Email: info@slau.ac.ug Website: www.slau.ac.ug

OFFICE OF THE ACADEMIC REGISTRAR

STATEMENT OF RESULTS

NAME:	SIBENDIRE JOSHUA	REG NO:	BAIT/180/U/A0587	GENDER:	M		
PROGRAMME:	BACHELOR OF INFORMATION TECHNOLOGY						
FACULTY:	Faculty of Science and Technology						
YEAR 1 :: ACADEMIC YEAR 2018/2019							
Year 1 Semester 1		CU	GRD	GPT	YEAR 1 : ACADEMIC YEAR 2018/2019		
BAIT 1103 Communication Skills	3.0	50 D	2.0	BAIT 1202 Computer Programming in C#	3.0	67 C+ 3.5	
BAIT 1102 Information Systems	3.0	64 C	3.0	BAIT 1204 Computer Organisation and Architecture	3.0	62 C 3.0	
BAIT 1103 Professional Communication for IT Managers	3.0	73 B	4.0	BAIT 1208 Data Structures and Algorithms	3.0	65 C+ 3.5	
BAIT 1104 Principles of Programming in C	3.0	52 D	2.0	BAIT 1214 Database Management	3.0	71 B 4.0	
BAIT 1106 Communication Technology & Internet	3.0	75 B+	4.5	BIT 1206 Electronic Business	3.0	59 D+ 2.5	
BAIT 1107 Kiswahili	3.0	56 D+	2.5	BIT 1211 Computer Ethics & Law	3.0	84 A 5.0	
BAIT 1205 Basic Management Skills	3.0	60 C	3.0				
BAIT1105 Internet and web page authoring	3.0	64 C	3.0				
						GPA: 3.58	
YEAR 2 :: ACADEMIC YEAR 2019/2020							
Year 2 Semester 1		CU	GRD	GPT	YEAR 2 : ACADEMIC YEAR 2019/2020		
BAIT 2101 Object Oriented Programming in C++	3.0	70 B	4.0	BAIT 1105 Systems Administration	3.0	53 D 2.0	
BAIT 2106 Web Scripting Using PHP	3.0	70 B	4.0	BAIT 2201 Operating Systems	3.0	71 B 4.0	
BAIT 2203 Research Methodology	3.0	72 B	4.0	BAIT 2202 Systems Analysis and Design	3.0	72 B 4.0	
BAIT 2205 Database Planning Management and Design	3.0	76 B+	4.5	BAIT 2219 Advanced Mobile Application Development	3.0	59 D+ 2.5	
BAIT2102 Data Communication and Networking	3.0	56 D+	2.5	BAIT 3108 Network Administration and Configuration	3.0	66 C+ 3.5	
BEBM 2101 Entrepreneurship development I	3.0	74 B	4.0	BAIT2201 Industrial Training	3.0	72 B 4.0	
				BAIT2206 Statistical Data analysis	3.0	63 C 3.0	
						GPA: 3.29	
YEAR 3 :: ACADEMIC YEAR 2020/2021							
Year 3 Semester 1		CU	GRD	GPT	YEAR 3 : ACADEMIC YEAR 2020/2021		
BAIT 3103 Application development with VB	3.0	65 C+	3.5	BAIT 3102 User Interface Design	3.0	57 D+ 2.5	
BAIT 3104 Object Oriented Programming in Java	3.0	60 C	3.0	BAIT 3202 Business Intelligence & Data Warehousing	3.0	62 C 3.0	
BAIT 3105 IT Project Planning and Management	3.0	80 A	5.0	BAIT 3204 Research Report	3.0	78 B+ 4.5	
BAIT 3109 Cloud Computing	3.0	66 C+	3.5	BAIT 3205 Software Engineering	3.0	71 B 4.0	
BAIT 3201 Information & Network Security	3.0	80 A	5.0	BAIT 3211 Parallel & Distributed Systems	3.0	67 C+ 3.5	
BAIT2205 Database Programming	3.0	75 B+	4.5				
						GPA: 3.50	

CUMMULATIVE GRADE POINT AVERAGE (CGPA): 3.51 PROVISIONAL CLASS OF AWARD: SECOND CLASS HONOURS (LOWER DIVISION)

The length of a semester is seventeen (17) weeks, two (2) of which are for examination.
The medium of instruction ENGLISH

see overleaf for details



