

SUMMARY

Results-driven **Software Developer** with a **Bachelor of Science in Computer Engineering**, specializing in full-stack web and mobile development. Proficient in JavaScript (React, React Native), Python (Django), and Java, with hands-on experience building scalable, user-centric applications. Combines strong theoretical foundations with practical problem-solving to deliver efficient, maintainable code. Passionate about bridging system design and seamless UX, with a keen interest in Full Stack Development, AI/ML integration and cybersecurity best practices. Eager to contribute to dynamic software development teams and learn from seasoned mentors while building real-world applications in a fast-paced environment.

TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, SQL, HTML  
**Frameworks and Libraries:** Bootstrap, React.js, Django, Node.js, Nextjs, Laravel, SpringBoot  
**Web Development:** APIs, Responsive Design, UI/UX  
**Mobile App Development:** Kotlin, Jave, React Native, FireBase  
**Machine Learning & AI:** TensorFlow, Scikit-learn, Data Analysis, Feature Engineering, LLM Gen AI  
**Databases:** MySQL, PostgreSQL, MongoDB  
**Networking:** TCP/IP, HTTPS, IP Addressing, Subnetting, Routing, LAN, WLAN, SSH  
**Tools:** Git, GitHub, Docker, Linux, Figma, Microsoft Office Suite, Adobe (*Illustrator, Photoshop*)

EMPLOYMENT HISTORY

- Software Developer, Infectious Disease Institute

January 2025 — Present

  - ✓ Collaborated with cross-functional teams to develop and maintain a mobile application.
  - ✓ Participated in Agile development processes, including sprint planning and daily stand-ups.
  - ✓ Conducted code reviews and provided constructive feedback to team members.
  - ✓ Assisted in troubleshooting and debugging issues in existing applications.
  - ✓ Gained Skills: Android Mobile App Development, Agile SDLC, Kotlin, Docker
- Web Development & Data Science Intern, Zidio

August 2024 — Oct 2024

  - ✓ Analyzed project data and created summaries to support decision-making.
  - ✓ Cleaned and transformed data, ensuring high-quality datasets.
  - ✓ Used Excel functions to enhance performance monitoring and reporting accuracy.
  - ✓ Developed backend services with JavaScript, optimizing server performance and scalability.
  - ✓ Designed APIs and ensured secure integration of databases for improved functionality.
  - ✓ Gained Skills: Python, JavaScript, SQL, Excel, API Design, Data Analysis.
- Software Intern, NetLabs!UG

June 2023 — Sept 2023

  - ✓ Learned Python and foundational machine learning concepts.
  - ✓ Gained a solid understanding of supervised learning algorithms (Sklearn and Tensorflow algorithms)
  - ✓ Designed a smart irrigation management system using Python and TensorFlow that optimized irriga-

tion patterns from real-time sensor data for better water efficiency and crop yield.

- ✓ Integrated sensor data into an embedded system for real-time decision-making.
- ✓ Acquired practical experience in embedded systems, networking, Python, and machine learning.

#### Software Intern, EvoTech Solutions

June 2022 — Sept 2022

- ✓ Developed user interface components for a school management system using React, enhancing the system's usability and visual appeal.
- ✓ Implemented interactive features that improved the user experience and functionality of the system.
- ✓ Generated content for the system, improving information accessibility for users.
- ✓ Collaborated with team members to enhance system performance and optimize code for efficiency.
- ✓ Strengthened skills in front-end technologies, including HTML, CSS, and JavaScript.

## EDUCATION

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#### Bachelor of Science in Computer Engineering

Makerere University, Kampala, Uganda

#### Uganda Advanced Certificate of Education

St. Peter's College, Tororo

#### Uganda Certificate of Education

St. Peter's College, Tororo

## SOFT SKILLS

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Problem-Solving    Adaptability    Communication    Teamwork    Time Management    Quick Learner

## PROJECTS

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#### Smart Irrigation System

Python, TensorFlow, Flask

Developed a smart system integrating machine learning to optimize water usage based on real-time sensor data, reducing water consumption by 30%.

#### Blog Website

Django, HTML, Bootstrap

Created a dynamic blog platform with features for adding, editing, and deleting posts. Designed a responsive and user-friendly interface.

#### Voice-Controlled Wheelchair

Python, Embedded Systems, TensorFlow

Engineered a voice-activated wheelchair system using speech recognition, enabling hands-free control for users with physical impairments significantly improving accessibility.

## REFERENCES

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#### Mr. Wayne Okello from NetLabs!UG

Contact and Email available on request

#### Mr. Hilary Kaluuma from Infectious Disease Institute

Contact and Email available on request