

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 (Spring Boot), 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 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, SQL, HTML
- Frameworks and Libraries:** Bootstrap, React.js, Django, Spring
- Web Development:** APIs, Responsive Design, UI/UX
- Mobile App Development:** Kotlin, React Native
- Data Science & ML:** Data Analysis, Data Visualization, Machine Learning
- 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
  - ✓ 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 irrigation 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.

- ✓ 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

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

Problem-Solving    Adaptability    Communication    Teamwork    Time Management    Quick Learner

PROJECTS

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

Ms. Bernah Namulyowa from NetLabs!UG

Contact and Email available on request

Mr. Okello Wayne from Makerere University

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