

# RUBANGA KENE SOLOMON

Software Engineer | Full Stack Developer | Networking

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## PROFESSIONAL SUMMARY

Adaptable and driven software developer with a strong academic background in Computer Science and hands-on experience in both frontend and backend web development, Python programming, and network operations. Demonstrates a proactive approach to learning and embracing new challenges, with a focus on continuous growth and improvement. Skilled in problem-solving, time management, and collaboration, with a passion for applying technical knowledge to build innovative and effective solutions. Thrives in team-oriented environments and is committed to contributing to organizational success with a strong work ethic and growth mindset.

## EXPERIENCE

### Project Lead / Full-Stack Developer

June 2025 - Present

#### Business Management System

**Description:** Led the development of a comprehensive Business Management System designed to streamline core business operations including sales, inventory tracking, analytics, and reporting. Oversaw both frontend and backend development, ensuring scalable architecture and smooth cross-functional integration.

#### Key Contributions:

- Directed a small team through all phases of development: planning, design, implementation, and testing
- Designed intuitive, responsive UI using Next.js and Tailwind CSS for seamless user experience
- Built and documented RESTful APIs with Django REST Framework for data communication
- Integrated robust inventory and sales modules with real-time updates and analytical dashboards
- Delivered actionable business insights through advanced reporting and data visualization features
- Ensured code quality through version control, code reviews, and best practices in both frontend and backend

### Networking and Server Management

June 2024 – August 2024

#### Research and Education Network for Uganda, RENU

Kampala, Uganda

Gained hands-on experience in core networking and system administration concepts, with a strong focus on both Linux and Windows server environments. Key areas covered included:

- IP addressing and subnetting for efficient network design and segmentation
- Configuration and monitoring of networking devices (e.g., routers, switches)
- Exposure to BGP Flowspec for dynamic traffic filtering and route control
- Practical skills in Linux system operations, including file system management, user permissions, and shell scripting

- Server management and administration on both Linux and Windows, including service configuration, security practices, and resource monitoring

**Skills Acquired:** Networking | Systems Administration | Server Management | Linux OS | Windows Server | BGP FlowSpec | Device Configuration

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## PROJECTS

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### Online Study Platform — Full-Stack Developer

[LINK](#)

**Tech Stack:** Django, Python, HTML, CSS, PostgreSQL

**Description:** A web-based platform designed to foster collaboration and knowledge-sharing among software developers. The application allows users to create discussion rooms based on specific skills or interests, enabling peer-to-peer learning and community engagement.

**Key Features:**

- Built user authentication system with login, registration, and profile management
- Implemented room creation and management where developers can host topic-specific discussions
- Enabled real-time posting and commenting within rooms to facilitate knowledge exchange
- Designed a clean, intuitive UI for seamless navigation and user interaction

### Student Support Application — Mobile Developer

[LINK](#)

**Tech Stack:** Flutter, Dart, Firebase (Authentication, Firestore, Cloud Functions)

**Description:** A cross-platform mobile application designed to improve communication between university students and administrative departments. The app provides a centralized platform for students to submit inquiries, request support, and consult various university offices in real-time, thereby reducing delays and enhancing service delivery.

**Key Features:**

- Developed a responsive and intuitive UI using Flutter for both Android and iOS platforms
- Integrated Firebase Authentication for secure student login and account management
- Built real-time chat and consultation modules using Firebase Firestore
- Enabled department-specific ticketing and query tracking for organized communication
- Improved student engagement by bridging the gap between students and administration

### Students' Assessment System — Full-Stack Developer

[LINK](#)

**Tech Stack:** PHP, HTML, CSS, JavaScript, MySQL

**Description:** A dynamic web application developed to assist school administrators, particularly the Director of Studies, in managing student academic records. The system facilitates online student registration, mark entry, and the automatic generation of detailed assessment reports.

**Key Features:**

- Built user-friendly interfaces for student registration and academic data entry
- Developed logic for computing subject totals, averages, grades, and overall performance
- Enabled generation of downloadable and printable report cards for each student
- Implemented CRUD operations for managing students, subjects, and performance data
- Improved accuracy and efficiency in academic report preparation and reduced manual workload.

## EDUCATION

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### B.Sc. Computer Science

2022 - 2025

Busitema University

Tororo, Uganda

### High School

2015 – 2020

Kyambogo College School

Kampala, Uganda

## SKILLS

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- **Programming Languages:** Python, JavaScript, TypeScript, Dart, Java, PHP, HTML, CSS, SQL
- **Frameworks & Libraries:** Django, React, Next.js, Tailwind CSS, Flutter
- **Databases:** MySQL, PostgreSQL, Firebase Firestore, MongoDB
- **Tools & Platforms:** Git, GitHub, Firebase, XAMPP, Postman
- **Version Control:** Git, GitHub
- **Other:** Networking fundamentals, User support

## CORE COMPETENCIES

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- Problem solving abilities and critical thinking
- Team collaboration and strong communication skills
- Time management and organization
- Adaptability and continuous learning
- Project planning and execution
- Client/User-Centred Development

## TRAINING AND CERTIFICATION

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- Networking
- AWS Cloud Practitioner Essentials
- Introduction to Managed PostgreSQL on AWS

## LANGUAGES

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- English (Excellent Proficiency)
- French (Limited work proficiency)
- Luo (Native)
- Luganda (Good Proficiency)

## REFEREES

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