# MICHAEL SYLVESTER WAMBUA

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## Career Objective

To leverage my experience in software development and system architecture to design, build, and optimize mission-critical systems in the fintech space while contributing to innovative and scalable technology solutions.

## Work Experience

**Junior Software Developer**
**SwiftHub Limited**, Nairobi, Kenya
2024 May– September 2024

- Collaborated with a team of developers to design and deploy **Tumabill**, a payment integration system.
- Assisted in the development of **Mreside**, a system to digitize rent payment and property management for seamless reconciliation, reporting, and communication with tenants.
- Integrated STK push technology for seamless mobile money transactions.
- Optimized system performance, maintaining a 99% uptime for mission-critical payment applications.
- Participated in system architecture discussions and decision-making processes.
- Conducted code reviews to maintain high code quality and adherence to best practices.

### Achievements:

- Streamlined payment integration workflows, reducing transaction processing time by 15%.
- Contributed to digitizing property management, improving efficiency and tenant communication.

## Education

**Bachelor of Science in Computer Science**
Karatina University.
2021 - Now
Expected Graduation Date: September, 2025.

**Kenya certificate of secondary education**
Kalulini boys' high school, Kibwezi
2017-2020

## Technical Skills

**Programming Languages**: Java, JavaScript, PHP, Python
**Frameworks**: Angular, Laravel, Django, Mern.
**Web Development**: HTML, CSS, Bootstrap
**Database Management**: MySQL
**Version Control**: Git, GitHub, Gitlab
**Tools**: IntelliJ IDEA, VS Code, PyCharm
**Operating System**: Linux, Windows

# Projects

**AI-Driven Healthcare Appointment Scheduling system (Django)**
- An intelligent system for scheduling healthcare appointments using AI algorithms to optimize doctor availability and patient preferences.

**Tumabill Payment System (Laravel, Vue)**
- Contributed to the development and Design of a robust payment platform allowing seamless payment integration for businesses.
- Implemented STK push for fast and secure mobile transactions.

**Mreside Property Management System (Laravel, Vue)**
- Contributed to the development of a system to digitize rent payment and property management, enhancing reconciliation, reporting, and tenant communication.

**Students Management System (Laravel)**
- Developed a platform for managing student records, including enrolment, performance tracking, and administrative tasks.

**Hospital Management System (Django)**
- Created a solution to manage patient records, staff scheduling, and resource allocation efficiently.

**College Management System (Django)**
- Implemented a comprehensive system for handling college administrative tasks, including course scheduling, grading, and staff management.

**Smart Home Automation System (Html, CSS, JavaScript)**
- Built a prototype for automating and managing smart home devices with user-friendly controls.

**Human Resource Management System (Laravel)**
- Developed a system for managing employee records, payroll, and performance evaluations.

**Employees Management System (Laravel)**
- Created a tool to streamline employee data management, including attendance and leave tracking.

**E-Commerce System (Mern)**
- Developed a platform for managing student records, including enrolment, performance tracking, and administrative tasks.

# Soft Skills

- Excellent problem-solving and analytical skills.
- Strong communication and team collaboration abilities.
- Quick learner, adaptable to new technologies.

# Certifications

- project management
- CCNA 200-301 Network Fundamentals
- Introduction to DevOps Tools
- Introduction to Data Analytics
- Introduction to Cloud Security
- Introduction to cloud computing
- Introduction to artificial intelligence
- Getting started with AWS

- CISSP® - Certified Information Systems Security Professional
- Azure Fundamentals
- AWS Networking Basics

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## Activities

- Exploring Computer Hardware.
- Roller Skating.

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## References

Available upon request.