

# JOSHUA JOSEPH MICHAEL

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## **PROFESSIONAL SUMMARY**

A Full Stack Developer with a strong foundation in Python, JavaScript, PHP, React, Next.js, and Vue, currently specializing in Frappe/ERPNext development. Experienced across all phases of the software development lifecycle, including complex API integration and the creation of responsive user interfaces. Dedicated to writing high-quality, scalable, and performant code that drives business results. Possesses strong analytical and problem-solving skills, with a passion for staying current with technological advancements.

## **TECHNICAL SKILLS**

- **Programming Languages:** Python, JavaScript, PHP, HTML, CSS
- **Frontend Technologies:** React, Next.js, Vue.js, Tailwind CSS, Bootstrap
- **Backend Development:** Node.js, Django
- **Database Management:** MySQL, PostgreSQL, MongoDB
- **ERP Systems:** Frappe/ERPNext (customization, implementation, integration)
- **API Development:** RESTful API design and integration
- **Version Control:** Git, GitHub
- **Project Management:** Agile methodologies, SCRUM
- **System Administration:** Network configuration, server management

## **WORK EXPERIENCE**

### **FRAPPE/ERPNext DEVELOPER**

#### **AAKVATECH LIMITED – DAR ES SALAAM**

*MARCH 2024 – PRESENT*

- Develop and implement custom ERPNext solutions tailored to specific business requirements and workflows
- Lead API integration projects connecting ERPNext with external systems and third-party applications
- Design and build custom applications extending the Frappe framework functionality
- Create responsive interfaces using JavaScript, HTML5, and CSS frameworks (Tailwind, Bootstrap)
- Implement complex business logic through custom Python scripts and server-side code
- Optimize database queries and system performance for large-scale ERPNext deployments
- Conduct code reviews and mentor junior developers on best practices
- Collaborate with cross-functional teams to translate business requirements into technical specifications

### **DATA ENTRY INTERN**

#### **GLOBAL EDUCATION LINK LIMITED - DAR ES SALAAM**

*AUGUST 2023 – FEBRUARY 2024*

- Entered, updated, and maintained data in various systems, ensuring accuracy and consistency.
- Assisted in organizing and managing large datasets related to educational records.
- Provided support to the team by ensuring data integrity and resolving discrepancies.
- Conducted basic data analysis to provide insights and reports for management.
- Keep detailed records of project activities and decisions.

## **PROJECT DEVELOPER (FINAL YEAR PROJECT)**

### **UNIVERSITY OF DAR ES SALAAM**

*NOVEMBER 2022 - JULY 2023*

- Designed and developed a full-stack "Online Course Assessment" system using PHP, JavaScript, HTML and CSS
- Implemented RESTful API endpoints for seamless data exchange between frontend and backend
- Created a responsive user interface with Bootstrap for optimal viewing across multiple devices
- Utilized MySQL for database management and complex query operations
- Applied software engineering principles including MVC architecture and object-oriented design
- Integrated authentication and authorization systems for secure user access
- Documented API endpoints and system architecture for future maintenance

## **IT INTERN**

### **BARIADI TOWN COUNCIL**

*JULY 2022 – SEPTEMBER 2022*

### **COAST REGIONAL COMMISSIONER OFFICE**

*JULY 2021 – SEPTEMBER 2021*

- Built internal web applications to streamline administrative processes using PHP and JavaScript
- Contributed to network infrastructure projects including configuration and troubleshooting
- Developed database-driven applications for internal data management needs
- Created and maintained technical documentation for IT systems and processes
- Provided technical support and training for non-technical staff on various software applications
- Assisted in implementing security measures and best practices across IT infrastructure

## **EDUCATION**

### **BACHELOR OF SCIENCE IN BUSINESS INFORMATION TECHNOLOGY**

### **UNIVERSITY OF DAR ES SALAAM**

*OCTOBER 2023*

## **ADVANCED CERTIFICATE OF SECONDARY EDUCATION**

**KIBITI HIGH SCHOOL**

*JULY 2020*

## **CERTIFICATE OF SECONDARY EDUCATION**

**MWANDOYA SECONDARY SCHOOL**

*NOVEMBER 2017*

## **PRIMARY EDUCATION**

**MUUNGANO PRIMARY SCHOOL**

*SEPTEMBER 2013*

## **PROFESSIONAL DEVELOPMENT**

### **EACOP MOOC**

Digital training path on mathematics, science and oil industry conducted by EACOP Tanzania

*Completed on August 5, 2023*

### **YOUTH TEAMUP PROGRAMME**

Global Impact Project (GIP) participation coordinated by Constructor University Bremen GGBH

*Completed on June 10, 2024*

## **SELF-DIRECTED LEARNING**

- Advanced React Patterns and Best Practices
- API Design and Integration Strategies
- Modern Python Development Techniques
- Enterprise Application Architecture

## **ADDITIONAL COMPETENCIES**

- **Project Management:** Requirements gathering, resource allocation, timeline management
- **Problem-Solving:** Analytical thinking, creative solutions, debugging complex issues
- **Communication:** Technical documentation, client presentations, cross-team collaboration
- **Business Analysis:** Translating business needs into technical specifications
- **Continuous Integration/Deployment:** Automated testing, deployment pipelines

## **LANGUAGE SKILLS**

- **SWAHILI:** Native proficiency in writing and speaking
- **ENGLISH:** Professional proficiency in writing and speaking

## **REFEREES**

### **1. DR. MERCY MBISE**

Head of Computer Science and Engineering Department  
College of Information and Communication Technologies  
University of Dar es Salaam  
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### **2. EMMANUEL MWANDIGA**

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### **3. PENDO MASUKE TUNGE**

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