Amani Mhinda

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Professional Summary

I am an experienced full-stack software developer with over 10 years of experience in creating software solutions across different industries in Tanzania. I am dedicated to crafting and executing top-level software solutions. My specialty includes building scalable and easy to maintain web applications and RESTful APIs.

Skills

Languages: Java | PHP | Python | JavaScript | TypeScript

Frameworks/Libraries: Spring Boot | Symfony | Django | React | NextJS | Tailwind CSS | Bootstrap

Databases: MySQL | PostgreSQL | MongoDB

Operating Systems: CentOS | Ubuntu Server

Other: Proxmox | Vmware | RabbitMQ | Supervisor | Git

Work History

Ardhi University - Dar es Salaam, Tanzania,

October 2010 – Present

ICT Officer

I am responsible of performing system analysis, establishing software requirements, systems design and developing applications to automate different business processes of the University. From July 2020 to date, I am leading the Admission Technical Support Team.

Accomplished Projects

Upgrade of Ardhi University Academic Management Information System (AMIS)

July 2025 – Ongoing: I am currently leading the system upgrade to enhance performance, modernize the technology stack, and introduce new features to improve academic process automation.

Technology: Symfony | Git | MariaDB | jQuery | HTML | CSS

Development of Store Manager Application for Tanganyika Computers

September 2025 – Ongoing: Self-initiated project developing a comprehensive store management system for Tanganyika Computers. The application manages inventory, sales, and multi-branch operations with real-time analytics and reporting. It improves operational visibility and efficiency, with plans to evolve into a full eCommerce platform.

Technology: Spring Boot | NextJs | PostgreSQL | Git

Development of Ardhi University Billing Management Information System

May 2023 – December 2023: I was the lead developer in this project. The system is capable to handle transactions of all institutional accounts as well as all types customer accounts. The system is also integrated with Government Electronic Payment Gateway (GePG). The system has a student self service module which allow student to generate their invoices and make payment through payment channel of their choice without any human intervention.

Technology: Django | react | PostgreSQL | Git

Development of Ardhi University Consultancy Management Information System

May 2023: I was the lead developer in this project. The system is capable to handle consultancy projects progress, managing contracts/subcontracts and consultancy project finances.

Technology: Django | react | PostgreSQL | Git

Link to project

Development of Ardhi University Student Course Evaluation Management System

March 2023: I was the lead developer in this project. The system allows students to rate the course content as well as lecturer's teaching methods and styles based on pre-defined criteria and then perform mathematical computations and produces reports for managements.

Technology: Django | react | PostgreSQL | Git

Link to project

Development of Pamoja Development Initiative Group (PDI) Microfinance Management web-based application

October 2022 – January 2023: I was part of the development team in this project. The system enables management of member details, meeting management, processing of loans, and management of member investments.
Technology: Symfony | Git | MariaDB | jQuery | JavaScript | Bootstrap

Link to project

Development of Ardhi University online student admission system

April 2018 – October 2018: I was part of the development team in this project. The system is capable of receiving applications for more than 20 undergraduate programmes and average of 10,000 applicants per admission cycle and automatically select best qualified applicants based on pre-defined criteria. **Technology:** Symfony | Git | MariaDB | HTML | CSS

 Link to project

Development of Ardhi University Academic Management Information System

January 2017 – January 2019: I was part of the development team in this project. The system handle students' academic records, registration process, examination. Currently the system manages over 20,000 student academic records.

Technology: Symfony | Git | MariaDB | jQuery | HTML | CSS

Link to project

Development of Project Implementation Manual (PIM) for Ministry of Water (MoW) under JICA – RUWASA-CAD Project

October 2014 - December 2014: The task involved digitizing the Project Implementation Manual (PIM) and develop a system which will be easily accessible to all stockholders in digital form.

Technology: PHP | MySQL | HTML | CSS

Development of National Sanitation Information Management System (NSIMS) for MoHSW.

July 2012 - June 2013: The task involves digitization of 12 data collection tools and to develop a system that will accept input at village/street level and aggregate them to national level and preparation of more than 100 indicators.

Technology: DHIS2 | Java | PostgreSQL

Professional Boards

2020   Registered Professional, Information and Communication Technology Commission (ICTC) under Systems Analyst (SAN) area of specialization with registration number P0454-SAN

Certifications

2023   **Training:** Object-oriented Programming in JavaScript

            Award: Certificate of Completion

2023   **Training:** JavaScript Basics for Beginners

            Award: Certificate of Completion

2012   **Training:** Disaster Recovery and Business Continuity of Organization Information and Communication Technology (ICT) Assets, At Institute of Accountancy Arusha (IAA)

            Award: Certificate of Attendance

2012   **Training:** Insurance cover for Consultancy Services, Insights of PPRA and Tendering, Essentials of contract preparation and Contract Negotiation and project funds Accounting. Conducted by ARDHI University Consultancy Unit

            Award: Certificate of Attendance

Education

University of Dar es Salaam

Bsc. In Computer Science (Second Class, Upper Division GPA 3.6/5)

Dar es Salaam, Tanzania

October 2006 – December 2009

Tabora Boys' High School

Advanced Certificate of Secondary Education Examination (Division One Eight Points)

Subjects: *Physics, Chemistry and Mathematics (PCM)*

Tabora, Tanzania

February 2004 – February 2006

Mzumbe Secondary School

Certificate of Secondary Education Examination (Division One Eight Points)

Morogoro, Tanzania

January 2000 – November 2003