

MADALITSO NJAWALA

SOFTWARE ENGINEER

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PROFILE

Over the course of my 2-year-plus career as a software engineer, my primary focus has been on developing scalable and well-documented code. I am proficient in leveraging cutting-edge technologies to create systems that enhance organizational efficiency, showcase core competencies, and drive success. I thrive on collaborative teamwork, yet I am equally adept at independently driving projects forward. I am genuinely excited about the opportunity to contribute my skills and passion to a product-driven company.

EXPERIENCE

JAN 2023 – PRESENT

SOFTWARE ENGINEER, IDIAS CORPORATION

- Developed 10+ user-friendly interfaces using Python and Django's view controller and templating language.
- Gained extensive experience in building web-based applications with Django.
- Contributed to the development of an efficient legal management system called casePlus, used by legal companies in Malawi, resulting in a 70% improvement in case handling.
- Conceptualized and created UniSoft, a PHP-based web application utilized by universities in Malawi, including Exploits University.
- Automating tests to ensure comprehensive coverage of all use cases and user stories before the deployment of the software.
- Assisted senior engineers in creating software solutions by analyzing requirements, consulting with customers and IT management, studying systems flow, data usage, and work processes.
- Assess technical feasibility of user requirements, develop user specifications and system architecture documents.
- Optimizing software solutions by studying information needs, systems flow, data usage, and work processes.
- Adding features to current systems, modifying software to fix errors, adapt it to new hardware, improve performance, and upgrade interfaces.
- Developing and maintaining software documentation, user manuals and training materials.
- Leading in the provision of user support for all systems (in-house and off-shelf), timely escalating issues where necessary.
- Supporting health systems including OpenLMIS.
- Providing support and training to internal staff and support.
- Ensuring high levels of system performance, availability, sustainability and security.

FEB 2022 – JAN 2023

SOFTWARE DEVELOPER, VIRTUAL TECH MALAWI

- Optimized a gym membership management system, effectively handling over 50,000 users.
- Collaborated with a senior engineer to develop an online dating system, contributing to the creation of a dating site application.
- Formulated and implemented PHP web applications using popular frameworks like Laravel.
- Assess technical feasibility of user requirements, develop user specifications and system architecture documents.
- Conceptualized and designed E-Commerce websites, contributing to their development.
- Worked collaboratively with a diverse group of stakeholders and a team of fellow developers to design, implement, support, and enhance software programs and systems.
- Demonstrated expertise in troubleshooting and debugging code, successfully resolving and closing all reported system bugs.

JAN 2021 – FEB 2022

SOFTWARE AND DATABASE DEVELOPER, TECHNIX MALAWI

- Developed and implemented PHP applications using the Laravel framework.
- Proficient in troubleshooting and debugging code to ensure the reliability of software applications.
- Collaborated with database development teams to design and create new database programs that fulfill the organization's data storage requirements.
- Actively engaged with users to gather and analyze their requirements, fostering effective client interactions to propose robust solutions.
- Reviewed database structures, user reports, and system information to ensure optimal system performance.
- Designed and developed highly interactive web applications.
- Conceptualized E-Commerce websites using PHP and Drupal to expand online business capabilities.
- Conducted verification, validation, and testing of various software applications to maintain quality and reliability.

EDUCATION

APRIL 2018 - AUG 2022

B.S ICT, MZUZU UNIVERSITY,
MALAWI Relevant Courses

- Artificial intelligence
- Software engineering
- Modelling and simulation
- Data structures and algorithms
- Computer organization and architecture.
- Operating systems
- Database management systems

DEC 2017

DIPLOMA IN CIS, POLYTECHNIC,
MALAWI Relevant Courses

- Computer systems
- Programming
- Management systems.
- Database management

HARD SKILLS

- Industry knowledge
- Full-stack development
- Python, PHP Laravel
- ReactJS
- Database management
- Agile methodologies
- Debugging and code review skills
- Web Technologies: HTML (Advanced), CSS (Experienced), Bootstrap, JavaScript, JQuery, Jira, MySQL.
- WordPress
- version control management

SOFT SKILLS

- Problem solving
- Attention to detail
- Ability and fast to learn new technologies and technology needed by the company
- Time management
- Communication
- Adaptability
- Organization and time management
- Teamwork