

ELIYA JOSEPH

Software Engineer

Dar es salaam, Tanzania

Mobile: +255684710914

Email: eliyajoseph7@gmail.com

Links: [linkedin](#), [Github](#)

Portfolio [eliya.co.tz](#)

SUMMARY

Knowledgeable Software developer offering 6 years of leading cross-functional teams and completing projects on time. Seamlessly manages workloads and meets challenging deadlines and quality benchmarks—strong understanding of common web technologies, languages, and frameworks.

WORK EXPERIENCE

System and Software Developer Nov 2024 – *Present*

MSPH Tanzania LLC (ICAP), Dar es Salaam, Tanzania

1. Joined the organization as part of an ongoing development team working on two key projects: ICAP Online Operations (IOO) and ICAP Data System (IDS), built using Laravel and Bootstrap.
2. Actively contributed to the development and enhancement of these systems by implementing advanced Laravel features such as events, channels, jobs, and API integrations to improve system performance, scalability, and user experience.
3. Collaborated with cross-functional teams to ensure seamless integration of new functionalities while maintaining code quality and adherence to best practices.

ICT Specialist Dec 2023 – Nov 2024

The Aga Khan Hospital, Dar es Salaam, Tanzania

1. Attended the Meditech EHR System training. This is a new system required to replace the current health system used by the Aga Khan Hospital worldwide.
2. Design and implement an ICT support system to automate most of the processes that were performed manually.
3. Design and implement Hospital Queue Management system (QMS).

Software Engineer Oct 2020 – Sept 2023

Multics Systems, Dar es Salaam, Tanzania

1. Develop Agriculture Dashboard for the Tanzania Ministry of Agriculture (MoA) using Angular and Laravel frameworks. [Link](#)
2. Develop an Agriculture crops-stock dynamic web system for the Tanzania Ministry of Agriculture (MoA) using Angular and Laravel frameworks. [Link](#)
3. Develop Budget, Expenditure, CPA & CSR, Administration, and Fleet modules (ERP) for Tanzania National Housing Corporation(NHC) using the Django python framework.
4. Develop strong experience in working with Git Version Control System while working on the ERP system.
5. Gained presentation skills since as a developer I was involved in presenting the products to the customers as well as training them on how to use the product.
6. Develop an offline mobile app using Flutter for the Tanzania Ministry of Agriculture (MoA). [Link](#)
7. Develop an Integrated Kilimo web System (IKS) for the Ministry of Agriculture (MoA). [Link](#)

Contact: Devotha Kiwale (Project Manager) -

devotha.kiwale@multics.co.tz/ +255763015565 / +255719880255

Software Engineer Oct 2021 – Nov 2022

DEJNG Company Ltd, Dar es Salaam, Tanzania

1. Develop Frontend and backend Web systems for CyberTz Civil Company Limited [Link](#)
2. Learned how to write clean and reusable codes which can be easily maintained
3. Acquired the basic knowledge of using Livewire and Tailwind css in building responsive and interactive web system

Contact: Nathan Obadia Luvunga (General Secretary) -
cosmasnathan9@gmail.com/ +255-7691914571

Practical Trainee July 2019 – Aug 2020

CoICT-Challenge Driven Education, Dar es Salaam, Tanzania

1. Gained teamwork skills
2. Create a BackOffice application for the MORUWASA billing system
3. Gained communication skills since the training involves the interaction with the surrounding community, communicating with them to extract the required information from them.

PROJECTS DONE

Forvis Mazars Portal *Aug 2024 – Present*

Position: Lead Software Developer

1. Developing a comprehensive staff management portal that includes modules for staff planning, leave management, timesheet management, performance appraisal, and client management.
2. Building robust back-end functionality using Laravel, integrating it with a dynamic front-end powered by Livewire, Tailwind CSS, jQuery, and JavaScript.
3. Designing and implementing RESTful APIs to facilitate secure and efficient communication between different modules and external systems.
4. Ensuring scalability and performance optimization through modular coding practices and effective use of Laravel's built-in features such as events, queues, and jobs.
5. Collaborating closely with stakeholders to gather requirements, define specifications, and deliver high-quality software solutions.

Church Mobile App *Jan 2025 – Present*

Position: Lead Software Developer

1. Developing a mobile application for church management using Flutter, enabling cross-platform compatibility for Android and iOS devices.
2. Implementing features such as event scheduling, member management, donation tracking, and notification systems to enhance community engagement.
3. Designing an intuitive user interface with a focus on usability and accessibility, ensuring a seamless experience for end-users.
4. Leveraging Flutter's widget-based architecture to create reusable components and streamline development processes.

E-Mkopo System *Dec 2024 – Present*

Position: Lead Software Developer

1. Developing a government staff loan application, approval, and disbursement system that integrates with the Utumishi ESS platform via API.
2. Utilizing Laravel, Livewire, Tailwind CSS, jQuery, and JavaScript to build a scalable and user-friendly web application.
3. Designing and implementing secure API endpoints to facilitate seamless communication between the E-Mkopo system and Utumishi ESS.
4. Ensuring compliance with government regulations and security standards while maintaining transparency in loan processing workflows.
5. Focusing on optimizing performance and reliability through efficient database design and query optimization using Laravel Eloquent ORM.

Queue Management System *Apl 2024 – Nov 2024*

Position: Lead Software Developer

1. Design and implement a hospital queue management system. This involved customers, operators, and admin interfaces, token generation and management, and database design and implementation.
2. Design and implement REST APIs to link QMS and the Hospital System.
3. Tech stack used: Laravel and Livewire, JavaScript, and Tailwind css.
4. For Database interaction, no raw SQL is used but instead Laravel Eloquent, an object-relational mapper (ORM) in which each database table has a corresponding "Model" that is used to interact with that table making the database interaction easier, cleaner, and enjoyable.

Reven Back Office System *Feb 2024 – May 2024*

Position: Lead Software Developer

1. Design and implement a back-office system for Reven Company Ltd. to facilitate the management of raw materials and product management processes.
2. Database design and implementations.
3. Tech stack used: Laravel and Livewire, JavaScript, and Tailwind css.

Rehoboth Back Office System *Feb 2024 – March 2024*

Position: Lead Software Developer

1. Design and implement a back-office system for Rehoboth business to automate record management processes that were performed manually.
2. Database design and implementations.
3. Tech stack used: Laravel and Livewire, JavaScript, and Tailwind css.

ThePaws Back Office System *Feb 2024 – May 2024*

Position: Lead Software Developer

1. Design and implement ThePaws back-office system for puppies, breeders, and other records management.
2. Database design and implementations.
3. Tech stack used: Laravel and Livewire, JavaScript, and Tailwind css.

M-SOKO Web System *Feb 2024 – March 2024*

Position: Lead Software Developer

1. Design and implement a web system for M-SOKO company Ltd. [web link](#)
2. Database design and implementations.
3. Tech stack used: Laravel and Livewire, JavaScript, and Tailwind css.

ICT Support System *Dec 2023 – Feb 2024*

Position: Lead Software Developer

1. Design and implement an ICT support system to automate most of the processes which were performed manually.
2. Tech stack used: Laravel and Livewire, JavaScript, and Tailwind css.
3. For Database interaction, no raw SQL was used but instead Laravel Eloquent, an object-relational mapper (ORM) in which each database table has a corresponding "Model" that is used to interact with that table making the database interaction easier, cleaner, and enjoyable.

Shuleni App for school applications and registrations *Sept 2023 – June 2024*

Position: Lead Software Developer

1. Develop a mobile app that assists applicants in easily applying to schools. The app should allow applicants to stay updated while their applications are processed and receive feedback right away so that they can start registration.
2. The tech stack used Flutter and AXML, ACSS, and JavaScript for mini-app programs.

Project Management System for University of Dar es Salaam (PMS) *Mar 2023 – Oct 2023*

Position: Software Engineer

1. Develop backend for managing different institution projects and data.
2. Tech stack used Laravel (PHP framework), Livewire, HTML/CSS, and Tailwind css.

Web system for Nzega Urban Water Supply and Sanitation Authority(NZUWASA) May 2023 - Aug 2023

Position: Lead Software Engineer

1. Develop both backend and frontend web applications for managing different data such as news and events.
2. Tech stack used Laravel (PHP framework), Livewire, HTML/CSS, and Tailwind css.

Crop Stock Dynamics System for the Tanzania Ministry of Agriculture (MoA) 2022 – 2023

Position: Lead Software Engineer

1. Develop both backend and frontend web applications for managing crop movement and storage data.
2. Built Rest API to link the created backend system and the frontend system.
3. Develop an offline Mobile app (**Kilimo App**) to enable users to use systems in remote areas for data collection and upload them to the server once the Internet is available [Link](#).
4. The tech stack used Laravel (PHP framework), HTML/CSS, Bootstrap, Angular, and Flutter.

Agriculture Dashboard System for the Tanzania Ministry of Agriculture (MoA) 2020 – 2022

Position: Software Engineer

1. Develop both backend and frontend web applications for managing agricultural production data [Link](#).
2. Built Rest API to link the created backend system and the frontend system.
3. The tech stack used Laravel (PHP framework), HTML/CSS, Bootstrap, and Angular.

Enterprise Resource Planning (ERP) system for the National Housing Corporation (NHC) 2021 – 2023

Position: Software Engineer

1. Worked in a team of more than 10 people to develop an ERP system for the National Housing Corporation in Tanzania to replace the previously used Votebook system. In this system, I've managed to develop 5 modules which include a Budget Management Module, an Expenditure Management Module, a CPA & CSR Module, a Fleet Module, and an Administration Module.
2. Increased data correctness by 85% compared to the previously used votebook system.
3. The tech stack used Django, Ajax, HTML/CSS, jQuery, Bootstrap, and GitHub.

Two Web portals for the Computer Science and Engineering department and UDSM Staff Assembly at the University of Dar es Salaam Jan 2021 – Sept 2021

Position: Developer

1. Collaborated with one other engineer to develop 2 web portals for the CSE department ([Link](#)) and the UDSM Staff Assembly system ([Link](#)) at the University of Dar es Salaam, Which had two sides each, the Backend side for content management and a frontend side for the public.
2. Used the following tech stack to develop the solutions; Laravel, Bootstrap 5, jQuery, JavaScript HTML/CSS, and SASS
3. Reviewed to code quality of other engineers to ensure best practices which increased system performance by 2%

Web system for Cybertz Company Limited *Jan 2020 – Jun 2020*

Position: Software Engineer

1. Led a team of 3 engineers to develop a web system for Cybertz Company Limited which had two sides, a Backend side for content management and a frontend side for the public [Link](#) .
2. Performed Search Engine Optimization for web portals which increased system visibility to the public by 10%
3. The tech stack used to develop the solution was; Laravel, Bootstrap 5, jQuery, JavaScript HTML/CSS, and SASS

EDUCATION

University of Dar es salaam, Tanzania *Nov 2017 - Sept 2020*

Bachelor of Science in Computer Science

SKILLS

1. Laravel | PHP | Livewire
2. Python | Django | Django REST API
3. SQL | ORM | Eloquent
4. MySQL | PostgreSQL | SQL Server
5. FLUTTER
6. Angular | jQuery
7. JavaScript | CSS | SASS | HTML | Bootstrap | Tailwind CSS
8. Git | GitHub | Bitbucket | GitHub Actions
9. Problem-solving | Communication skills | Strong analytical skills
10. Postman
11. Spring Boot (Beginner)

LANGUAGES

1. English – Fluent
2. Swahili - Native

CERTIFICATIONS

1. Responsive web design - Free code camp. [Link](#)
2. The Fundamentals Of Digital Marketing - Google Digital Skills for Africa. [Link](#)
3. Applied Data Science Capstone - IBM through Coursera. [Link](#)
4. Laravel Livewire certificate [Link](#)
5. Positive perspective [Link](#)
6. Spring boot for beginners [Link](#)