

# **CURRICULUM VITAE**

**KIPNGETICH JOSPHAT**

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## **PROFESSIONAL SUMMARY**

Experienced software developer proficient, in Java, JavaFX, PHP, JavaScript, Python and MySQL. Demonstrated success in creating systems and applications across fields, like education, healthcare and entertainment. Noteworthy achievements encompass a fledged School Management System, a Hospital Management Solution, a user centric Library Management System and an interactive lottery game.

## **EDUCATION**

2014 – 2018 : Moi University for Bachelor's Degree in Computer Science.

**Relevant Coursework:** Software Engineering, Database Management, Web Development, Object-Oriented Programming, Human-Computer Interaction, Design techniques for websites, Expert Systems, Algorithms, and Software Development.

## **COMPUTING SKILLS/STRENGTHS**

- Languages: Java, JavaScript, PHP,Python
- Frameworks: JavaFX
- Web Technologies: HTML, CSS, AJAX, jQuery, XML and Bootstrap
- Databases: MySQL, Access.
- Tools & Platforms: Git, Bash, Visual Studio Code, Eclipse, Netbeans, XAMPP
- Methodologies: Agile
- Data analysis techniques: SPSS, MATLAB, Ms Excel.
- Familiar with these programming Languages: C, Node js, Angular, Express.
- Libraries: JasperReports, JavaMail API, itextpdf

## **WORK EXPERIENCE**

(A).January 2024 – June 2024 : 6 months of internship at Toror Tea Factory based in Kericho.

(B).February 2022 – July 2022 : 6 months of internship at Centre for Mathematics, Science and Technology Education in Africa(CEMASTE) based in Karen,Nairobi.

(C).Database management system and Network administration, repair and maintenance operations , Mapping and using ERP System at Browns Investments PLC formerly known as James Finlay Kenya in Kericho during industrial training.

(D)Software development skills during development of Library Management Systems and other systems as listed in the projects undertaken.

(E).Installing and configuring computer hardware, operating systems and applications to ensure they are effectively and efficiently working during my internship at CEMASTEА.

(F).Troubleshooting system and network issues and diagnosing and solving hardware or software faults during my internship at Toror Tea Factory.

## **PROJECTS UNDERTAKEN.**

(A).October 2023 – December 2023: Development of Library Management System using MVC , UML, which encompasses all the activities of the Library which include books tracking and their quantity, book issued to members, fine charges, generate and send order list of books to supplier via email, generate reports and notification of members with overdue via email.

Link [https://github.com/softwarecoding8/Library\\_application\\_system](https://github.com/softwarecoding8/Library_application_system)

(B).December 2023:Development of Lottery game where the a user guesses three numbers within a given range and if the user guesses correctly he/she wins the game, otherwise, the user can try again.

Link <https://github.com/softwarecoding8/Numbers-Guessing-Game>

(C).May 2018 – July2018:Collaborated on a team of three students to develop and design course work School Management System which manages all activities of the school which include Examination, Finance and Daily activities

## **PROFESSIONAL DEVELOPMENT**

(A).Web Development Bootcam offered by CEMASTEА(Center for Mathematics, Science and Technology Education in Africa) on March 2022.

(B).Participated in webinars on modern PHP frameworks, Javascript best practices, Java, and JavaFX development on September 2022.

(C).Online training offered by Ajira Digital Kenya on Web design, Graphic design, Artificial Intelligence(AI),and Search Engine Optimization(SEO) on October 2023 – November 2023.

(D).Online tutorials/studies on these platforms <https://www.udemy.com>, <https://www.programiz.com>, <https://www.geeksforgeeks.org>, <https://www.w3schools.com>, <https://stackoverflow.com>, <https://developer.safaricom.co.ke>.

## **PERSONAL ATTRIBUTES**

Task oriented, Eager to learn, Diligent and self-motivated, Action and result oriented.

## **INTEREST**

- (i)Software Development: Passionate about building innovative solutions using Java, JavaFX, Python, and PHP.
- (ii)Web Development: Keen on creating responsive and interactive websites using HTML, CSS, and JavaScript.
- (iii)Game Development: Interested in developing engaging and interactive games using Java and JavaFX.
- (iv)Problem Solving: Enjoy tackling complex challenges through efficient and scalable coding practices.
- (v)Open Source Contributions: Actively contribute to open-source projects and explore collaborative software development.
- (vi)Tech Trends: Follow the latest trends in software development, AI, and web technologies.

## **REFEREES**

Michael Terer,  
ICT Officer-Centre for Mathematics,Science and Technology Education in Africa(CEMASTEa) Nairobi.  
mterer@cemastea.ac.ke

## **PERSONAL ASSESSMENT**

Given a chance and working with dynamic team, I am absolutely sure that I can make a significant contribution while developing my skills yet further.

## **CERTIFICATION**

I certify that the information above is true to the best of my knowledge.