

BRIAN BARASA

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SKILLS

- HTML | CSS | JavaScript | Tailwind CSS | React JS | XML.
- Java | PHP | Yii Framework | Play Framework | spring boot | SQL | GitHub | Linux Servers.

Technical Skills:

- Database management (SQL)
- Programming skills (JavaScript, PHP, Flutter, HTML, CSS, XML, Typescript, Java)
- Networking (Routing and Switching, troubleshooting, Network security)
- Linux servers, Workday integration, Microsoft Excel, SAS

Personal Skills:

- Strong problem-solving skills
- Excellent communication and teamwork abilities
- Passion for learning new technologies and tools

PROFESSIONAL EXPERIENCE

- Software Developer Intern, KOCELA May 2024 – November 2024
Nairobi Kenya
 - Developed REST APIs using java and PHP which allowed for scalability and were easy to integrate with front-end applications utilizing the CRUD operations thus enabling efficient management of resources.
 - Employed basic authentication mechanisms like JSON web tokens to secure endpoints, allowing only authorized access.
 - Designed and developed and deployed a system using PHP yii framework and bootstrap, Dignify your craft, which it's major focus was transparency. The system enables artists to be able to realize the value of their craft by visualizing the earnings made for the individual piece to the last penny.
 - Designed and developed an android application using XML and java, monitoring tool, which visualizes how you spend your money depicting a clear picture of how you manage your funds.
 - Performed comprehensive QA testing on the KCB, HFC and Tendepay android apps and the monitoring tool web portal including functionality, UI/UX compliance, and

regression testing to validate that updates didn't break existing features -resulting in more stable releases and improved user satisfaction.

- Created and executed test plans, logged bugs, and collaborated with the development team for issue resolution for a system Dignify your craft reducing production bugs up to 15%.

2. Networking Intern, East African Institute of Certified Studies May 2023 – July 2023
Nairobi Kenya

- Assisted in the installation, troubleshooting, and maintenance of network systems, including fiber optic cable installations and testing.
- Provided technical support for network, hardware, and software issues.
- Assisted in server management and routine maintenance together with the colleagues, Monitored system health to ensure efficient operations.

3. Member, Google Developer Student Club 2022 - 2024
Murang'a University

- Attended workshops, hackathons, and study jams on google technologies like Firebase, Flutter and cloud computing which helped me improve my technical skills in web development, mobile app development and Artificial intelligence.
- Collaborated on solution based projects like the Solution challenge to build impactful solutions aligned with sustainable development goals.
- Learned leadership skills where I organized and lead sessions in areas where I was knowledgeable, web development, ensuring the activities aligned with the clubs goals.

WORK EXPERIENCE

Designed and Developed Web and Mobile Applications

- **Classmate Timetable Management System** January – April 2024

Designed the prototype using Figma and implemented it using Next JS, Typescript and CSS for styling.

Incorporated react libraries such as Sync Fusion, React Toast and Node mailer. Hosted the static version of the website on GitHub

- **Spring boot REST API** May - June 2024

Developed using Java and SQL and hosted it on ngrok.

Employed basic authentication mechanisms like JSON web tokens to secure endpoints. Used GitHub to host the static version of the API.

- **Monitoring tool App** June – July 2024

Designed the prototype using Figma and implemented it using XML, Java for Android and SQL.

Incorporated shared preferences which improved user experience.

- **Dignify Your Craft Portal**

August – November 2024

Redesigned and Implemented using PHP Yii framework, bootstrap, Tailwind CSS, JavaScript and MySQL to develop the web portal for both the Frontend and Backend.
Used Bit Bucket to host the static version of the web portal and also hosted it on a CentOS Linux server.

- **MoneyMate App**

May – Present 2025

Designed the prototype using Figma and implemented it using XML, Java for Android and SQL.
Incorporated shared preferences which has eased testing of the app while am still developing it. Still currently working on it

EDUCATION

Bachelor of Science Information Technology

2020 – 2024

School of Computing and IT, Murang'a University of Technology

PROFESSIONAL CERTIFICATIONS

- [Introduction to Data Science](#) : Cisco Networking Academy, Skills (Data Analysis, Data Collection, Data Validation)
- [Networking Devices and Initial Configuration](#), Skills (ARP, Binary Systems, DHCP, DNS, IPv4 subnetting)
- Power Learn Project: Software development, Skills (Git, GitHub, Dart, Python, HTML, CSS)

References: - Mr. Agina Kevin (Lecturer , Murang'a University) – 0748751204

-Mr. Sikolia Brian (Software Engineer, KOCELA limited) - 0716250461