**BRIAN KIMUTAI KIPYEGO**

**CURRICULUM VITAE**

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**EDUCATIONAL BACKGROUND**

**2022- Current** - Chuka University

Bachelor of Science Computer Science

**2017 – 2021** - Kipsoen Boys High School

Kenya Certificate of Secondary Education

**2017**  - Chelingwa Primary School

Kenya Certificate of Primary Education

**EXPERIENCE**

1. **ACADEMIC PROJECTS**

* As a computer science student, I have gained invaluable experience through engaging in diverse projects and volunteer work, which have honed my technical and collaborative skills. I have successfully completed projects leveraging programming languages and technologies such as HTML, CSS, JavaScript, PHP, Java, MySQL, C, Python, and networking concepts. These projects allowed me to develop dynamic websites, robust back-end systems, and efficient database solutions, while also enhancing my understanding of network design and troubleshooting. Through my volunteer work, I had the opportunity to apply these technical skills to real-world scenarios, assisting in developing solutions that addressed community needs and working alongside dedicated teams. This journey has not only solidified my passion for technology but also strengthened my problem-solving abilities and my drive to make a meaningful impact through innovation.

**2.TEACH2GIVE**

* At **Teach2Give**, I gained hands-on experience in **full-stack development**, where I worked with modern technologies and frameworks to build scalable and user-friendly applications. My responsibilities included implementing **emailing functionalities**, documenting APIs using **Swagger**, and managing databases with **PostgreSQL**. I also enhanced front-end designs using **Tailwind CSS** and developed efficient solutions with **TypeScript, NestJS, and Angular**. This experience deepened my understanding of **end-to-end software development**, from creating clean APIs to delivering responsive user interfaces, while also emphasizing best practices in documentation and maintainability.

**3.PLP ACADEMY**

* At **Power Learn Project (PLP Academy)**, I broadened my technical foundation by learning the **basics of software development**, including **version control systems**, **web development principles**, and collaborative workflows. I specialized in the **MERN stack (MongoDB, Express.js, React, Node.js)** and expanded my front-end skills by exploring **Tailwind CSS**, **shadcn UI**, **Clerk authentication**, and **Socket.IO** for real-time applications. This immersive program strengthened my ability to quickly learn and adapt to new tools, while also fostering teamwork and problem-solving in software projects.

**SKILLS**

1. **TECHNICAL SKILLS**

* Languages: HTML/CSS, JavaScript, Java, C (basic), Python(basic), Php, C++
* Frontend: React,Angular
* Backend: Express,Nestjs,Superbase
* Database: MySQL ,Postgresql,Mongodb
* Version Control: Git
* Networking
* Data Structures & Algorithms
* Data analysis: SPSS

1. **SOFT SKILLS**

* Communication,
* Teamwork
* Time Management

1. **LANGUAGES**

* English (Fluent)

**REFERENCE**

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