VALERIE MBAKA

Kakamega, Kenya | 0791777107 | **valeriembaka0@gmail.com**

PROFESSIONAL SUMMARY

Ambitious and skilled **Software Engineering** student with a strong foundation in **web and mobile app development, database management** and **full-stack solutions**. Proven ability to leverage diverse technologies to build impactful applications, and eager to drive innovation and value in the tech industry.

TECHNICAL EXPERIENCE

Freelance Software Developer

2019 - Present

- Developed and deployed fully functional websites, managing both front-end and back-end components using **HTML5, CSS3, JavaScript, Python, Django** and **Bootstrap**.
- Optimized client sites to enhance speed and responsiveness by over 30%, focusing on user experience and accessibility.

Freelance Mobile Apps Developer

2022 – Present

- Created and maintained mobile applications in Java and Kotlin, implementing Firebase, SQLite, and MongoDB for secure data storage and real-time updates.
- Streamlined app deployment with robust version control using Git, supporting seamless development and project management.

SELECTED PROJECTS

Environmental Awareness App – Technovation Girls

Th*e Kenya High School | 2021*

- Designed an app to promote environmental cleanliness, using Scratch API and Java for interactive awareness campaigns.
- Enhanced app capabilities with Google Maps APIs for real-time location services, supporting user engagement and practical insights.

Engineering Training & Mechanics Project

Hochschule Rhein-Waal University, Germany | May 2021 – September 2021

- Completed engineering training in applied mechanics, gaining practical skills in project-based engineering and problem solving.

Full-Stack App Suite

eMobilis Technology Training Institute | March 2023 – June 2023

- Developed a series of applications (calculator, web browser, fitness app) with Kotlin, implementing Firebase for authentication and user data management.

Website – E-commerce website

eMobilis Technology Training Institute | November 2024 – December 2024

- Developed a fully functioning dynamic e-commerce website with HTML5, CSS3, Bootstrap5, JavaScript, Python and Django, implementing Firebase for authentication and user data management and MySQL for the database storage and consuming REST API.

EDUCATION

- **Bachelor of Science in Software Engineering**
  Multimedia University of Kenya, Nairobi
  September 2023 – Present

- **Software Engineering**
  Power Learn Project
  February 2025 – Present

- **Full Stack Development (MIT)**
  eMobilis Technology Training Institute, Nairobi
  January 2023 – May 2023

- **Web Development**
  eMobilis Technology Training Institute, Nairobi
  October 2024 – December 2024

- **KCSE Certificate**
  The Kenya High School, Nairobi
  Grade: A- | 2019 – 2022

- **KCPE Certificate**
  Mbale Shalom Academy, Vihiga
  Total Marks: 429 | 2011 – 2018

CERTIFICATIONS

- **AI Career Essentials**
  ALX, Nairobi
  May 2024 – June 2024

- **Full Stack Web Development (MIT)**
  eMobilis Technology Training Institute, Nairobi
  January 2023 – June 2023

- **Web Development**
  eMobilis Technology Training Institute, Nairobi
  October 2024 – December 2024

TECHNICAL SKILLS

- **Languages**: Python, Java, C, C++, SQL
- **Web Development**: HTML5, CSS3, JavaScript, Bootstrap5, Django, Django REST API
- **Mobile Development**: Kotlin, Java
- **Databases**: MySQL, SQLite, MongoDB, Firebase
- **Development Tools**: Git, IntelliJ IDEA, Visual Studio, Android Studio, PyCharm

EXTRACURRICULARS

- **Football Team Member**
  Multimedia University, Nairobi
  Contributed to team sports, enhancing teamwork, leadership, and perseverance.