

# OLIVER KIPKEMEI

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## SUMMARY

Highly motivated software developer with experience in web development and solid understanding and hands-on of JavaScript, Typescript, React, NodeJS, Solidity, IoT, CI/CD pipelines, TDD, MongoDB, Prisma, Postgres and SQL. Able to deliver products on time that meet and exceed client expectations. I am always looking forward for new challenges

## EDUCATION

**BSc Mechatronics Engineering.**

**05/2018 - 5/2023**

Dedan Kimathi University of Technology, Kenya

## PROFESSIONAL EXPERIENCE

**Africa Blockchain University**

**11/2021 - 02/2022**

**Web developer**

Non-Profit organization that promotes Blockchain Adoption in Africa.

***Worked with Paxful and Celo.*** We worked with companies like Paxful and Celo and we were able to integrate a PAXFUL shop and Celo website URL on the ABU website that enables ABU website visitors and partners to buy crypto securely. This increased Paxful and Celo customers

## PROJECTS

1. **SMART ENERGY METER.** A smart energy metering device that monitors energy consumption on a water pump and can be used to turn the pump on remotely and at the same time control it's speed, limit voltage at which it runs on while displaying the information in **real time** in an application. We integrated **cloud** capability to help relay information in real time

2. **L'ASSIETTE RESTAURANT.** A French restaurant Full-stack application made with **NextJS, Typescript and REST API** that sells French-dishes, allows customers to make orders, and reservations for their foods and book rooms <https://lassiette.vercel.app>

3. **SMART BIDDER.** An online bidding and auction application that allows sellers to sell their products in an auction and buyers to participate in the auction. It leverages real time **GraphQL** subscription, **GraphQL Nexus, Typescript, NextJS and Postgres Database**

4. **AGRICHAIN.** Using **Solidity, React, JavaScript and MongoDB**, I developed a decentralized agricultural marketplace that tokenizes agricultural products and markets them thus connecting buyers and sellers in a peer-peer network.

[https://github.com/OliverMengich/decentralized\\_agriculture\\_marketplace](https://github.com/OliverMengich/decentralized_agriculture_marketplace)

## SKILLS

- **Programming Languages:** JavaScript, Typescript, HTML, CSS, Solidity, Python, C++
- **Frameworks & Database:** ReactJS, NextJS, NodeJS, MongoDB, Prisma, Postgres, SQL, Docker
- **Internet of things:** Azure IOT Hub, Firebase, ESP32, Arduino, Microcontrollers
- **Cyber Security:** Linux, Windows, Networking WIFI, IoT Hacking, Active Directory, Kerberos,
- **Tools:** Git, GitHub, Azure, DevOps, Software Testing, CI/CD pipelines, GitHub Actions

## LEADERSHIP AND COMMUNITY INVOLVEMENT

- **Microsoft Learn student Ambassador** Collaborates with other student campus leaders globally to organize virtual and in-person events that have impacted many students globally.
- **MLSA Mentor** Mentored a 5-team group in a mentorship program organized by Student ambassadors. I was able to teach them the Web dev and provided resources

