

# OMUTELEMA SILAS ABEL

## SOFTWARE ENGINEER

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## TECHNICAL SKILLS

### LANGUAGES

- JavaScript, Typescript, GO, Swift, SQL (Postgres), C & Solidity

### FRAMEWORKS

- ReactJs, React Native, Zustand, Redux, NextJs, ShadcnUI, NodeJs (Express), Tailwindcss, React Native Reanimated, Chi Router, Vite, Expo & Foundry

### DEVELOPER TOOLS

- Docker, Ngix, Git, Github, Caddy, Bash Scripting, Kubernetes, Azure, Lighthouse, Framer Motion, Jest & Cloudflare

## EXPERIENCE

### SOFTWARE ENGINEER

Stratosphere Network, Honk Kong - China  
January 2025 – October 2025

Worked remotely with an amazing team to build beautiful, decentralized user facing solutions that grew and landed the company \$5 Million funding from Berachain.

- Redesigned the firm's UI language and approach defining a modern and minimalistic UI/UX approach that would attract and keep users.
- Designed and built a clean landing page UI for the company ahead of a big pitch to customers and VCs from Berachain.
- Redesigned the company's wallet, Sphere wallet to support the local currency via mobile money and third-party payment options such as Apple and Google pay.
- Worked on the UI for the company's major product that tokenizes online stores on Amazon getting 10 merchants to onboard their stores onto the platform.
- Also worked on the main UI that helped merchants manage their tokenized stores with ease.

### SOFTWARE ENGINEERING INTERN

Mentorlist, Nairobi - Kenya  
June 2024 – December 2024

Interned at SpaceYaTech to build a peer-to-peer mentoring platform that was used by over 200 mentors and mentees for weekly meetings.

- Updated the SpaceYaTech official homepage built using React 17 and SCSS to use React 18 and TailwindCSS adding animations with framer motion. This improved the aesthetic and performance as tested with Lighthouse.
- Shifted the peer mentoring platform from using use effect as the primary data fetching tool to use Tanstack query. This shift meant that data was automatically cached thus slashing user waiting time by more than half and reducing 70% of unnecessary database calls.
- Using Twilio and backend endpoints I was able to build a real-time chat interface plus a video streaming UI that mentors could use to hold meetings with 50 concurrent mentees at the same time.
- Finished my internship by setting a React Native project with Expo that was to be used by the open source community and mentors to teach beginners on how Expo can significantly simplify mobile development

## **DEVELOPER RELATIONS INTERN**

ICP Hub Kenya, Nairobi - Kenya

December 2023 – June 2024

Interned for the blockchain company ICP as their developer relation to train new developers on how to use Typescript to build end to end decentralized applications.

- Trained over 1000 developers in Kenyan campuses via online sessions to use Typescript for web3 development.
- Built starter templates and examples project to be used by beginners looking to start their careers in Web3 & blockchain

## **PROJECTS**

### **ORCUS**

GO, NextJs, Typescript, PostgreSQL, Jest, Go Testing, Azure, Solidity, Foundry, Docker

Auguts 2025 – October 2025

Won the Hedera \$1 Million hackathon competition with Orcus, recognized as leveraging blockchain technology to simplify merchant payments while maintaining relatively low fees for the end user paying for good and services.

- Created a beautiful landing page, a merchant onboarding page and a data rich dashboard that allowed merchants to easily manage their shops and view all transactions paid to them.
- Designed a scalable backend system that could handle multiple concurrent transactions and implement using Go, Postgres, Chi router and deployed to a docker container with the help of Azure.
- Created a simple payment app for the end user to pay and track their spending using React native and Expo. This app complimented the Orcus main web app built with NextJs
- Created a stablecoin backed by the Kenyan Shilling that will be used to transact on the platform using Solidity and Foundry
- Using Azure and docker I dockerized the Go backend and deployed it Azure.

### **NHX**

NextJs, Typescript, Tailwind CSS, Framer Motion, Springboot, Azure

October 2025

Collaborated with a team of two other developers to build a concept application that seeks to tokenized stocks, securities and government bonds listed in the Nairobi Securities Exchange. By bringing these securities on-chain

the app would democratize investment while helping NSE achieve its goal of 10 million investors by 2030

- Built the user facing section of the app. Designed all the pages and used NextJs with Typescript for type safety to construct amazing UI rich with content and aesthetics.
- Used industry level tools such as Tanstack query, ShadcnUI and Zustand to make the site performant, stateful while also maintaining a good user experience.
- Deployed our application backend to Azure and pitched to the Hedera Hashgraph Foundation securing a \$7,500 grant to come with an MVP and a business solution for the app.
- Drafted the app's whitepaper and documentation on how tokenization of assets would be undertaken taking into consideration existing legal requirements and the Hedera DLT architecture.

## **OPTIC**

Vite, Typescript, Tailwind CSS, Framer Motion

February 2025 – October 2025

Won the ICP Nation & Regional rounds hackathon for building Optic, an app that leveraged blockchain for secure decentralized communication coupled with autonomous contribution and investment into web3 pools via DeFi.

- Orchestrated the Optic platform drafting how messages and media will be shared securely and in a decentralized manner via our Typescript backend.
- Planned and documented the contributing module which relied on AI analysis and external library for executing swaps and deposits on the ICP blockchain.
- Built and deployed a full stack Typescript application with the capacity to send messages, media and leverage AI to make investment decisions for users who have contributed their tokens.

## **EDUCATION**

### **BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**

Dedan Kimathi University of Science & Technology

- Distinguished member of the Tech Lead Community, serving as Web Dev lead, AWS Campus Ambassador and MLSA in the same year.
- Relevant coursework: Object Oriented programming, Microprocessors, C Programming & Numerical methods
- Bachelor's Degree

## **CERTIFICATIONS**

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|--------------------------------------|---|
| • Hashgraph Developer Attendance     | • Dart Introduction & Intermediate        |
| • Building RESTful APIs with Express | • Andela React Learning Program           |
| • Public Speaking Foundations        | • JavaScript Data Structures & Algorithms |