

COLLINS RUTO

SOFTWARE ENGINEER

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github.com/collins-ruto

collinsruto.vercel.app

PROFILE

As a full-stack developer and NEAR & ICP certified web3 developer, I have built fully-fledged web applications using Javascript and Typescript with React.js and Next.js, Tailwindcss for the frontend, Node.js with Express for the backend and APIs. I have connected APIs with databases such as MongoDB and GraphCMS using prisma and TRPC.

I also build intuitive mobile and desktop applications using flutter.

WORK EXPERIENCE

■ MAY - PRESENT

Eldama Ravine Education Foundation

Web Developer

- Built and deployed EREF Foundation's website & event registration platform using Next.js, Firebase, and Vercel serverless functions.
- Integrated M-Pesa Daraja and KCB Buni APIs for secure mobile payments with real-time callback handling.
- Collaborated a development team of 5 using Git for version control, established CI/CD workflows with Vercel for seamless deployment, and maintained code quality through feature-based branching.
- Optimized online content using SEO best practices to improve ranking and visibility.

■ 2024 - 2025

Freelance Developer

Software Engineer

- Developed a full-featured school management system using the T3 Stack (Next.js, TypeScript, tRPC, Prisma) for end-to-end type safety
- Collaborated building Web3 applications with real-time features, decentralized logic, and fast prototyping. resulting in my team winning 3 hackathons.
- Wrote and maintained automated tests to ensure application reliability and performance.
- Implemented role-based access control, security middlewares, and authentication via NextAuth (Google, GitHub).

EDUCATION

2021 - 2024

TECHNICAL UNI OF MOMBASA

- B.Tech Marine Engineering
- 2nd Class Upper Division

2016 - 2019

UZALENDO SCHOOL

- School Captain
- KCSE B+

SKILLS

- **Software Development** - Dart
JavaScript, Typescript, Rust Python
- **Web Development** - Tailwind CSS,
React.js, Next.js, TRPC, NodeJS,
Express
- **Database** - MongoDB, My SQL
GraphCMS, Prisma, Firebase

REFERENCES

Abiud Kigen

EREF Foundation

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DEV TOOLS

- ArchLinux
- VS Code
- Git & Github
- Nvim
- Android Studio

WORK EXPERIENCE	LANGUAGES
<div data-bbox="97 165 963 842"> <div> <div>■</div> <div> 2022 - 2024 TUM Developers Club Web/Web3 Developer Lead & Treasurer </div> </div> <div> <ul style="list-style-type: none"> Led the development of innovative solutions, including a USSD-based system to access student data offline. Conducted workshops on Linux setup, smart contracts, and modern web/Web3 development technologies. Served as the TUM Web Dev Lead for the Google Developer Student Club, mentoring students in frontend and backend development. Collaborated with industry partners to organize major tech events including Flutter Festivals, Google I/O Extended, Atlassian Dev Day, and AWS Community Days. </div> </div>	<div data-bbox="1051 165 1182 235"> <ul style="list-style-type: none"> English Swahili </div>
CERTIFICATIONS	
<div data-bbox="97 1023 963 1525"> <div> <div>■</div> <div> Internet Computer Protocol (ICP) Rust & Typescript 101/201 dacadecode.org Aug - Oct 2024 </div> </div> <div> <div>■</div> <div> SUI DeFi development using move dacadecode.org May - Jul 2024 </div> </div> <div> <div>■</div> <div> NEAR Protocol Rust Smart Contracts Development BitKE Web3 developers Club Jun - Aug 2022 </div> </div> </div>	