

# Emmanuel Kipkurui Ronoh

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LinkedIn: linkedin.com/in/manuh10801 — Portfolio: ronoh-portfolio-14.vercel.app

## Career Objective

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Full Stack Engineer with a strong background in **TypeScript, JavaScript, and Python**. Experienced in building **scalable, high-performance web applications** using modern frameworks like **React, Next.js, Vue.js, and Node.js**. Passionate about **software architecture, cloud technologies, DevOps, and testing**. Seeking a role where I can drive **technical excellence, system scalability, and robust development practices**.

## Technical Skills

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**Programming Languages:** TypeScript, JavaScript (ES6+), Python, SQL

**Frontend Development:** React.js, Next.js, Vue.js, Tailwind CSS, Zustand

**Backend & APIs:** Node.js, Express.js, FastAPI, NestJS, REST, GraphQL

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Cloud & DevOps:** AWS, Supabase, Docker, CI/CD (GitHub Actions)

**Testing & QA:** Jest, Cypress, Playwright, Unit Testing, Integration Testing

**Other Tools:** Git, GitHub, WebSockets, OAuth, Firebase, Linux

## Work Experience

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### Software Engineer — Digitalent Internship Programme, ICT Authority

January 2023 – December 2023

- Developed full-stack applications using **TypeScript, React, Next.js, and Node.js**.
- Designed **scalable REST APIs** with **Express.js and FastAPI**, improving system efficiency.
- Implemented **authentication and authorization** using **OAuth and JWT**.
- Developed **unit and integration tests** using Jest and Playwright, reducing bugs by 35%.
- Integrated **CI/CD pipelines** with GitHub Actions for automated testing and deployments.
- Optimized database queries using **PostgreSQL and Redis**, reducing API response times by 50%.

### IT Support Intern — Nakuru High Court

January 2020 – March 2020

- Redesigned the internal portal using **Vue.js and Bootstrap**, improving UX.
- Provided **technical support** and ensured optimal performance of web applications.
- Managed database queries and backups for internal systems.

## Projects

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### Hoodie Hub – E-Commerce Platform

*Tech Stack:* React, Next.js, Tailwind CSS, Supabase, Paystack API

Live Demo: [hoodie-hub.vercel.app](https://hoodie-hub.vercel.app)

- Developed a **scalable full-stack e-commerce platform** with authentication and payments.
- Integrated **Supabase and PostgreSQL** for efficient data management.
- Implemented secure payments with **Paystack API** supporting **M-Pesa and card payments**.
- Designed a **mobile-first UI/UX**, increasing conversions by 20%.

### Rental Management System

*Tech Stack:* Vue.js, Node.js, MySQL, Docker, Tailwind CSS

Live Demo: [benevolent-cheesecake-415781.netlify.app](https://benevolent-cheesecake-415781.netlify.app)

- Developed a **multi-tenant rental management platform** using **Vue.js and Node.js**.
- Integrated **role-based authentication** for landlords and tenants.
- Built a **secure payments system** for automated rent collection.

### AI-Powered Secure Password Generator

*Tech Stack:* React, Next.js, Tailwind CSS, AI APIs

Live Demo: [password-generator-14.vercel.app](https://password-generator-14.vercel.app)

- Developed an AI-powered **password generator with customizable security settings**.
- Implemented **client-side encryption** for password storage and retrieval.

## Education

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### Bachelor of Science in Information Technology

Dedan Kimathi University of Technology (2017–2021)

Relevant Coursework: **Software Engineering, Database Systems, Cloud Computing**

Capstone Project: Built a **Task Management Mobile App** with a focus on UI/UX and backend efficiency.

## Certifications

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- **AWS Cloud Practitioner Essentials** (2023)
- **Google IT Support Professional Certificate** (2023)
- **CCNA R&S: Introduction to Networks** (Cisco Networking Academy, 2018)
- **NDG Linux Essentials** (Cisco Networking Academy, 2019)
- **Introduction to Cybersecurity** (Cisco Networking Academy, 2025)

## Key Strengths

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- Strong knowledge of **TypeScript, Python, and full-stack architecture**.
- Experience with **scalable backend services** using **Node.js, FastAPI, and PostgreSQL**.
- Proficient in **testing, CI/CD, and DevOps** for **high-quality code delivery**.
- Deep understanding of **React, Next.js, and frontend performance optimization**.
- Passionate about **cloud technologies, automation, and building maintainable systems**.

## Referees

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**Elizabeth Ndunge** – Lecturer, Dedan Kimathi University  
Phone: 0727448796 — Email: elizabeth.ndunge@dkut.ac.ke

**Geffrey Bett** – Boarding Master, Kericho High School  
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