

**Kelvin Karari**  
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## PROFESSIONAL SUMMARY

**Innovative and results-oriented** Software Engineer with a **strong background** in **full-stack development, cloud technologies, and systems programming**. Experienced in **leading cross-functional teams** and **delivering production-ready applications**. Adept at leveraging cutting-edge frameworks and tools like **TypeScript, DrizzleORM, React, FastAPI, and Neon** to solve real-world problems. Passionate about building scalable software solutions and enhancing user experience. **Proven ability to collaborate effectively, communicate technical concepts, and drive projects to completion.**

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## TECHNICAL SKILLS

- **Languages & Frameworks:** TypeScript, JavaScript, Python, C, C++, FastAPI, React, HTML, CSS, Tailwind CSS
  - **Backend & APIs:** FastAPI, DrizzleORM, RESTful API design, Hono
  - **Frontend:** React, Recharts, Responsive UI/UX Design
  - **Databases:** PostgreSQL, MySQL, Neon
  - **Tools & Platforms:** Git, GitHub, VS Code, Vite, Render, Netlify, Linux
  - **Soft Skills:** Public Speaking, Interpersonal Communication, Team Leadership, Problem Solving, Collaboration, Analytical Thinking
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## PROFESSIONAL EXPERIENCE

**Software Engineering Intern – Power Learn Project**  
*Jan 2023 – Apr 2023*

- **Collaborated** in a team of 5 to **develop** and **deploy scalable web applications**.
- Spearheaded the use of **FastAPI** and **React** for an internal tool, **reducing data processing time by 30%**.
- Delivered biweekly demos, sharpening **public speaking** and **stakeholder communication**.

### **Software Engineering Intern – Teach2Give**

*May 2023 – Aug 2023*

- **Led a team** of 4 in a collaborative **React + TypeScript** project.
  - **Introduced automated deployment** via **Render**, improving deployment speed by **40%**.
  - Displayed **exceptional interpersonal skills** while **mentoring** junior interns.
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## **EDUCATION**

### **BSc in Software Engineering**

**Kirinyaga University, Kenya**

*Expected Graduation: October 2025*

- Gained a solid foundation in software development, system architecture, and database management.
- Developed strong collaborative and public speaking skills through group presentations and peer learning.

### **KIJABE BOYS HIGH SCHOOL, Kijabe**

*2017 – 2020*

- Achieved a mean grade of B in KCSE
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## **PROJECTS**

### **Vehicle Management System – TypeScript, React, DrizzleORM**

Built a dynamic web application to manage and track vehicle specifications. Includes a **CRUD dashboard**, custom forms, and **API-driven** UI. Implemented advanced filtering and state management. **Collaborated with UI designers to optimize user flow.** Demonstrated **system design** and **backend logic skills**.

### **Restaurant API – TypeScript, DrizzleORM**

Developed a fully **RESTful** backend **API** that handles restaurant menus, bookings, and customer feedback. Integrated with **PostgreSQL** via **DrizzleORM** and hosted on **Neon**. Showcased **strong backend design, validation, and endpoint testing** practices.

### **Real Estate Website – Genesis Real Estate – React,HTML/CSS**

Designed a responsive site that enables users to browse property listings, estimate value, and view mortgage plans. Emphasized frontend **UX** principles and data flow with **React props** and **states**.

### **Estore – Django, HTML/CSS**

Built an online store where users can browse products with category-based filtering. Admins can add/edit inventory. Learned the value of **role-based access control** and **admin dashboard management**.

### **Job Listings UI – React**

Created an interface for viewing, filtering, and searching job postings. Integrated **form validation** and **responsive layout**. **Practiced user-centered design with visual hierarchy**.

### **Social Media Tracker – HTML, CSS, JavaScript**

A dashboard for viewing analytics from different platforms. Implemented **DOM manipulation** and **chart visualizations**. Applied **data parsing** from mock APIs.

### **Travellog – HTML, CSS, JavaScript**

Built a tourism site UI for booking travel experiences. Used **mobile-first design** and **interactive cards**.

### **Countries Search App – HTML, CSS, JavaScript, JSON**

Designed a search app that fetches and displays country data. Practiced **API integration** and **pagination logic**.

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## **ACHIEVEMENTS & LEADERSHIP**

- **Led a team of 4 developers** during internships to complete real-time projects with tight deadlines.

- **Hosted coding workshops** at **Kirinyaga University** to help fellow students with Git, Python, and React.
  - **Top performer** in system programming coursework involving **low-level C/C++** for hardware interaction.
  - **Organized weekly peer coding challenges**, enhancing problem-solving and teamwork.
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## SOFT SKILLS IN ACTION

- **Public Speaking:** Delivered technical presentations during internships and university projects.
  - **Team Collaboration:** Worked closely with diverse teams to implement solutions under agile methodologies.
  - **Interpersonal Communication:** Maintained clear communication with cross-functional teams and mentors, receiving consistent praise for collaboration.
  - **Problem Solving:** Debugged production-level issues across projects, **reducing bug report frequency by 50%**.
  - **Leadership:** Guided project teams through planning and execution phases while fostering a growth mindset.
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## INTERESTS

- Playing Chess
  - Reading Tech Articles & Books
  - Solving Logic Puzzles & Brain Teasers
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