Karanja Benjamin Njoroge

Professional Software Engineer

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OVERVIEW

As a highly skilled full-stack software developer with a proven ability to adapt and thrive in fast-paced environments. With a strong foundation in software engineering, including both professional and freelance experience, I bring a unique blend of technical expertise and creative problem-solving. My work spans various industries, where I have successfully delivered web and mobile applications, managed cross-functional teams, and continuously improved software solutions. I am particularly passionate about collaborating on international projects, and my experience in managing development processes, combined with my excellent communication skills, positions me well to contribute effectively to your initiatives.

🎓 Degrees and Majors

2021.08 – 2025.04	Bachelor of Science in Software Engineering Murang'a University Of Technology

💼 Work or Project Experience

https://karanjasoftwareengineer.great-site.net/resume

2024.04– 2024.07	Harmosoft – Intern and Software Developer - Coordinated the development of the HBS(Book Store) Project - Spearheaded the development lifecycle from planning to development, ensuring timely delivery. Collaborated with cross-functional teams to

	enhance the system's performance and integrated modern coding best practices to optimize functionality.

2025.01 – 2025.01	Tovu Sacco Admin Dashboard & Mobile App
	  - Full-Stack Developer
	  -Designed and developed a comprehensive admin dashboard and mobile application for Tovu Sacco. The platform enables seamless management of users, loans, investments, transactions, and financial operations. Implemented secure authentication and data visualization for real-time insights.

2024.07 – 2024.07	Community Guardian (Mobile App)
	  - Mobile App Develop
	  - Designed an app focused on community engagement to reduce crime. Features include anonymous reporting, emergency alerts, and real-time updates from local law enforcement.

2024.08 – 2024.08	Immunity Shield (Intrusion Detection System)
	  - AI Developer
	  - Built an intrusion detection system (IDS) for endpoint security, leveraging machine learning algorithms to detect and isolate potential threats. Enhanced cybersecurity measures through anomaly detection techniques.

2024.06 – 2024.07	Harmosoft Book Store (Web Application)
	  - Full-Stack Developer
	  - Developed an e-commerce platform for an online bookstore. The system allows users to browse, purchase, and review books, with features for inventory management and secure payment integration.

2024.09 – 2024.09	CarIgnition (Prototype for Vehicle Security)
	  - IoT Developer
	  - Created a prototype app for remotely starting and securing vehicles. Focused on IoT integrations for vehicle automation, enhancing security with encrypted communication channels.

2024.12 – 2025.01	Swift Traders (Mobile App)
	  - Mobile App Developer
	  -Developed an educational mobile app aimed at enhancing financial literacy and trading skills helping users understand investment strategies.

♑ Technical Skills

-Programming Languages: Python, JavaScript, TypeScript, SQL, C++

-Web Development: Django (REST Framework), React, Next.js, HTML, CSS, Tailwind CSS, Bootstrap, Express.js

-Mobile Development: React Native, Expo Router

-Database Management: MySQL Workbench, PostgreSQL (PgAdmin), SQLite

-API Development & Integration: RESTful APIs, JSON

-Tools & Technologies: Visual Studio Code, Apache, Nginx, Docker, Git & GitHub, Postman, Node.js

-Cloud & Deployment: Netlify, Vercel, Heroku, Digital Ocean, Python Anywhere, Infinity Free

-Operating Systems: Windows, Ubuntu (Linux), WSL

-Version Control: Git, GitHub, GitLab

-CI/CD & DevOps: Docker Compose, GitHub Actions (if applicable)

-Other Skills: Figma, Canva, CorelDRAW ,Postman

-Security & Networking: Basic Cybersecurity Concepts, Intrusion Detection Systems, Isolation Forest Algorithm, Networking Essentials

-Machine Learning (Basic): Scikit-learn, Data Analysis, Introduction to AI

🅰️ Education and Certifications

2021.08 – 2025.04	Bachelor of Science in Software Engineering
2023.05 – 2023.06	Introduction to Data Analysis
2023.07 – 2023.08	Introduction to IoT
2023.08 – 2023.09	Networking Essentials