Collins Kiptoo

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PROFESSIONAL EXPERIENCE

Software Engineer | Renga Tech | Nairobi, Kenya   **November 2022 - Present**
- Designed, and implemented solutions using MERN (Mongo, Express, React and Node.js) and deployed solutions to the cloud.
- Release features on time, with high quality, meeting functional performance, scalability, and compliance requirements.
- Design, develop, and execute new features in conjunction with all teams.
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- Update sprint and product backlogs in a timely manner.
- Creatively tackle hard and ambiguous problems in innovative ways.
- Deployed solution on cloud and on-premises servers.
- Pushing and clearing git commits and issues on time.
- Resolving bugs in production.

Junior Software Engineer - Intern | KBC | Nairobi, Kenya   **April 2022 – November 2022**
- Provided IT support.
- Deployed solution on the cloud server.
- Server management and configuration.
- Worked to continuously improve the performance, reliability, and accuracy of ERPs.
- Maintained Election Management System codebase.
- Developed and maintained facilities booking system web App.

Part-time System Admin - Consultant | Karen Family Mart | Nairobi, Kenya   **July 2021 – November 2022**
- Worked to continuously improve the performance, reliability, and accuracy of data systems.
- Developed website using pure vanilla JavaScript, HTML, and CSS.
- Implemented effective inventory management processes.
- Investigated and troubleshot problems swiftly and improved functionality.
- Stayed abreast of the latest technology developments.
- Identified, diagnosed, and resolved connectivity, reliability, and performance-related issues on ICT system infrastructure.
- Increased productivity and efficiency by integrating Microsoft Dynamics RMS and QuickBooks to perform Sales and accounts.
- Configured, installed, maintained, and upgraded physical and virtual servers, storage systems, and backup systems.

PROJECTS

Freelance sites   **2019 - Present**
Karam Lagam Ltd |Keltakulta-Hoiva-Oy | Jamii:
Websites for different organizations.

Database Auto backup   **Dec 2022**
Python Script to automatically backup Server Databases to google drive and Microsoft Drive when triggered and do the same periodically.

EDUCATION

BS, Computer Science | The Catholic University of Eastern Africa (CUEA), Nairobi, Kenya   May 2019 – October 2023
Major Software Engineering
- *Coursework:* Database Systems, Data Mining, Algorithms & Abstract Data Types, Data Structures & Algorithms (Java), Object Oriented Programming(C++), Computer Networks, Systems Analysis & Design, hardware and software maintenance, System administration, Operating systems, Probability and Statistics, Web development, Distributed systems, Mobile application development (Java, flutter and Kotlin), Human-Computer Interface, Software project management, Security and privacy for big data, Big data analysis, System Audits, Business intelligence and Computer Graphics.
- *Activities:* Google Students Developer Club: GSDC - lead 2022-2023, Ubunifu College Machine Learning Hackathon, Dam 5, Week Software Development Bootcamp.

SKILLS & TOOLS: Data Science, Statistics, Solutions Architecture, Microsoft Office, Git and GitHub, Figma, Firebase, Adobe Photoshop, Slack, G-Suite,Salesforce, AWS, GCP, Azure, Docker, Kubernetes, LetsEncrypt, Traefik, Jira, Flask, Spring Framework, MySQL, PostgreSQL, Mongo-DB, UI5, Angular, React, React- Native JavaScript, Python, C, Java, MIPS, HTML5, CSS, Jupyter Notebook, Google Colab, Scala, Hadoop, Sci-kit learn (random forest, Linear regression, logistic regression), TensorFlow, TensorFlow Extended, PyTorch, Django, Flask, Laravel, Flutter.