









PERSONAL





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KANGOGO JOEL

I am an innovative software engineer driven to solve complex challenges. I can merge deep technical proficiency with strategic leadership, allowing me to grow through continuous learning and improvement. With experience in mobile, web, RFID/NFC/IoT programming, technical writing, R&D, and tech mentorship, I am driven to deliver solutions that push the boundaries of innovation.





WORK EXPERIENCE

-  Jan 2022 - Present **Software Engineer**
[J-Class Solutions Inc., Danbury CT](#)
Developed and programmed RFID/NFC/BLE IoT devices for innovative home automation solutions and implemented AI algorithms for an LLM Autocomplete application.
-  Jan 2021 - Present **Vetted Software Engineer**
[LD Talent, California](#)
Worked on mobile and web applications, focusing on coding and wireframe design.
Reviewed technical blogs.
-  Aug 2023 - Apr 2024 **Research Admin**
[GIZ, Kenya, Nairobi](#)
Delivered a comprehensive R&D report on software services, aiding strategic insights for GIZ Kenya.
-  Nov 2020 - Apr 2021 **Software Engineer Intern**
[3modern Systems Ltd., Nairobi](#)
As a software Engineer Intern I contributed to the mobile version of a rental management system, enhancing property management efficiency.



EDUCATION AND QUALIFICATIONS

-  Sep 2016 - Mar 2022 **Bachelor of Science in Information Technology**
[Kibabii University, Bungoma](#)
Full-time student taking BSC. Information Technology
-  Jan 2012 - Nov 2015 **High School KCSE**
[Kabarnet High School, Kabarnet](#)
KCSE Certificate



SKILLS

- Mobile app development (Java, Kotlin, Flutter) ★★★★★
- Web development (HTML, JavaScript, PHP, WP, Joomla) ★★★★★
- Database (MySQL, PostgreSQL, MongoDB) ★★★★★
- NFC/RFID/BLE Programming (Java-pi4J, Python) ★★★★★
- Data Science & Machine Learning (Python, R) ★★★★★

Technical Writing (SEO tools, Markdown, Git, Jira)	★ ★ ★ ★ ★
Research and Development	★ ★ ★ ★ ★
IoT Systems Integration	★ ★ ★ ★ ★
Software Development Life Cycle (SDLC)	★ ★ ★ ★ ★



TASKS & ACHIEVEMENTS

J-class Solutions Inc,

Senior level / Software Engineer Danbury, United States

2022-01-01 / Currently working here

Programming of RFID/NFC IOT Devices for Home Automation

- I have collaborated with J-Class Solutions' team of skilled engineers to develop innovative programs that utilize RFIDs/NFCs, IoT, and LLM technologies for home automation and text prediction AI. Through our joint efforts, we have created cutting-edge solutions allowing seamless, secure, and convenient control of various home automation systems, enhancing homeowners' overall quality of life.

LD Talent

Mid-level / Software Engineer California, United States

2021-01-01 / 2024-12-01

Vetted freelance software engineer specializing in mobile/web application development.

- A day in my life entails writing code for mobile applications, designing wireframes for mobile and web UI, and creating web content. As a skilled freelance software engineer specializing in mobile and web application development, I focus on delivering high-quality solutions that meet client needs. My daily routine includes crafting efficient code for mobile applications, designing intuitive wireframes for both mobile and web user interfaces, and producing engaging web content that captivates users.

GIZ Kenya

Senior level / R&D Admin Nairobi, Kenya

2023-08-01 / 2024-04-01

Assumed the Role of R&D Assistant and delivered a comprehensive report for Software and Software Services

- In collaboration with GIZ Kenya, Kenya's Ministry of ICT & Digital Economy (MoICDE) project aimed to reform ICT, especially the software industry. The rationale was to assess the sector's efficacy, suitability, and structure in fostering agility, innovation, and value creation. The project successfully presented a reform report to GIZ and MoICDE containing all the findings, recommendations, and implementation plans.

Prime Dimensions Ltd.

Senior level / Web Developer Nairobi, Kenya

2023-11-01 / 2024-01-01

Developed a business website for Prime Dimensions Limited

- I developed a Joomla website for Prime Dimensions Limited with custom HTML, CSS, and PHP. This included responsive design, SEO, project showcase, detailed pages for services, easy CMS, multilingual support, and contact forms. I also did all the content writing needed to highlight their engineering expertise. <https://primedimensions.co.ke/>

3modern systems Ltd.

Internship & Graduate / Software Engineer Intern Nairobi, Kenya

2020-11-01 / 2021-04-01

Participated in the development of the mobile version of a rental management System for 3Modern Systems

- A management tool that keeps records of all your properties, tenants, payments, monetary usages, and generation of expenditure reports. With this management system, we provide an amazing solution to property owners to minimize their rental losses.
<https://github.com/jkangogo/3Modern-PropertyManager> <https://play.google.com/store/apps/details?id=com.threemodern.threepmanager>



CERTIFICATES & AWARDS

Fundamentals of Cybersecurity: Certificate | 2021

Data Science: Certificate | 2021

Machine Learning: Certificate | 2021

Wordpress: Certificate | 2020

IT Industrial Training: Certificate | 2019



REFERENCES



The University of
Nairobi

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