

# Curriculum Vitae

## Personal

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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	<ul style="list-style-type: none"><li><b>Software Engineer</b> <i>J-Class Solutions Inc., Danbury CT</i> Developed and programmed RFID/NFC/BLE IoT devices for innovative home automation solutions and implemented AI algorithms for an LLM Autocomplete application.</li></ul>
Jan 2021 - Present	<ul style="list-style-type: none"><li><b>Vetted Software Engineer</b> <i>LD Talent, California</i> Spending 40+ hours/week crafting efficient web/mobile app code, designing intuitive UI/UX designs, and reviewing web blog content.</li></ul>
Aug 2023 - Apr 2024	<ul style="list-style-type: none"><li><b>Research Admin</b> <i>GIZ, Kenya, Nairobi</i> Analyzed 50+ legal documents, conducted 15 interviews with stakeholders, and drafted an implementation plan adopted by GIZ and MoICDE.</li></ul>
Nov 2020 - Apr 2021	<ul style="list-style-type: none"><li><b>Software Engineer Intern</b> <i>3modern Systems Ltd., Nairobi</i> As a software Engineer Intern, I reverse-engineered a web-based system into the mobile version of a rental management system, enhancing property management efficiency and thus providing amazing solutions to property owners to minimize their rental losses.</li></ul>

## Education and Qualifications

Sep 2016 - Mar 2022	<ul style="list-style-type: none"><li><b>Bachelor of Science in Information Technology</b> <i>Kibabii University, Bungoma</i> Full-time student taking BSC. Information Technology</li></ul>
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# Skills

Mobile app development (Java, Kotlin, Flutter)	<div><div></div><div></div><div></div><div></div><div></div></div>
Web development (HTML, JavaScript, PHP, WP, Joomla)	<div><div></div><div></div><div></div><div></div><div></div></div>
Database (MySQL, PostgreSQL, MongoDB)	<div><div></div><div></div><div></div><div></div><div></div></div>
NFC/RFID/BLE Programming (Java-pi4J, Python)	<div><div></div><div></div><div></div><div></div><div></div></div>
Data Science & Machine Learning (Python, R)	<div><div></div><div></div><div></div><div></div><div></div></div>
Technical Writing (SEO tools, Markdown, Git, Jira)	<div><div></div><div></div><div></div><div></div><div></div></div>
Research and Development	<div><div></div><div></div><div></div><div></div><div></div></div>
IoT Systems Integration	<div><div></div><div></div><div></div><div></div><div></div></div>
Software Development Life Cycle (SDLC)	<div><div></div><div></div><div></div><div></div><div></div></div>

## 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

- Collaborated with J-Class Solutions' 5 engineers to develop innovative programs that utilize RFIDs/NFCs, IoT, and LLM technologies for home automation and text prediction AI, achieving 95% user satisfaction, and enhancing life quality through intuitive control.

LD Talent  
Mid-level | Software Engineer California, United States  
2021-01-01 | 2024-12-01

Evaluated and selected freelance software engineers with expertise in mobile and web application development, thereby enhancing project delivery timelines by ensuring top talent availability for critical tasks.

- My daily routine includes crafting efficient code for mobile applications, designing intuitive wireframes for 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:

- Analyzed over 50 legal documents within the sector to evaluate the efficacy, suitability, and structure in promoting agility, innovation, and value creation.
- Conducted 15 in-depth interviews with industry leaders to gather qualitative insights, enhancing the report's depth and relevance.
- Drafted a detailed implementation plan with 10 strategic actions for immediate execution, reducing time-to-innovation by 18 months.
- Successfully presented the reform report to GIZ and MoICDE, which was adopted by 90% of stakeholders for policy adjustments and sector support initiatives.

Prime Dimensions Ltd.  
Senior level | Web Developer Nairobi, Kenya  
2023-11-01 | 2024-01-01

Designed a Joomla website for Prime Dimensions Limited with custom HTML, CSS, and PHP:

- 99% device compatibility with responsive design.
- Easy CMS saving 10 hours/week on updates.
- 10,000+ words of content for engagement, up 75%.

See <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**

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**Fundamentals of Cybersecurity:** Certificate | 2021

**Data Science:** Certificate | 2021

**Machine Learning:** Certificate | 2021

**WordPress:** Certificate | 2020

**IT Industrial Training:** Certificate | 2019

## **References**

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The University of  
Nairobi

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