

# ALLAN KIPROP

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## ABOUT

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A results-oriented **Software Developer** with a proven track record of delivering impactful technological solutions that drive tangible results and positive change. I have successfully developed and implemented software applications across industries including healthcare, education, and finance. Passionate about leveraging cutting-edge technologies to spearhead transformative initiatives, with a keen focus on optimizing efficiency and maximizing outcomes.

## EDUCATION

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<b>BSc. Computer Science</b> -Machakos University	Dec 2022
<b>KCSE</b> -Ngara Falls Secondary School	Dec 2016
<b>KCPE</b> -Borderlands Primary School	Nov 2012

## WORK EXPERIENCE

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### I. **Software Developer-Freelance, 2020 - Present**

- Spearheaded the development of cutting-edge software applications for diverse clients spanning healthcare, education, and finance sectors, resulting in an average increase in operational efficiency by 30%.
- Deployed dockerized applications to AWS EC2 as part of GitHub action CI/CD workflow with persistent data stored in PostgreSQL and using AWS RDS.
- Aggregated logs and created monitoring and alerting for errors using AWS CloudWatch.
- Fixed bugs from existing systems and implemented load balancers that reduce load time from 10 to 1.1 seconds.
- Utilized 80% code coverage with unit, integration, and e2e tests which passed to merge code.
- Collaborated closely with clients and stakeholders to ascertain project requirements, ensuring the delivery of tailored, high-quality solutions that met or exceeded client expectations.

### II. **ICT Intern, Digital Literacy Program, Ministry of Education, Feb 2023 - Feb 2024**

- Orchestrated the design and execution of comprehensive digital literacy initiatives in primary schools nationwide, contributing to a 30% improvement in student engagement and performance.
- Employed technical acumen to swiftly troubleshoot and resolve system technology glitches, resulting in a 20% reduction in downtime and disruption to learning activities.
- Championed the promotion of safe, secure, and ethical technology usage within educational settings, leading to a 15% decrease in cybersecurity incidents.

**III. ICT Attaché, Department of Finance, County Government of Machakos, Jan 2021-April 2021**

- Streamlined financial record management and transactional processes, enhancing operational efficiency by 20%.
- Conducted in-depth research and analysis on financial data, delivering insightful reports to inform strategic decision-making, leading to a 15% increase in cost-saving initiatives.
- Implemented LAN connections across various departments, optimizing interdepartmental communication and collaboration, resulting in a 25% improvement in workflow efficiency.

**IV. Online Writer, 2019 - Present**

- Conducted extensive research and authored compelling academic papers spanning computer science, business, and social sciences, consistently achieving a 95% or higher originality score.
- Ensured the originality and adherence to the highest academic standards for all submitted papers.

## **CERTIFICATIONS**

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- Hackerrank |[Rest API](#)|
- |[JavaScript](#)|

## **SKILLS**

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- Programming languages: Java, JS, Python, Solidity
- Database languages: MySQL, PostgreSQL, MongoDB
- Integration of systems, databases, and APIs.
- Software development tools: Docker, Git,
- Hackerrank |[CSS](#)|
- freeCodeCamp |[Responsive Web Design](#) |

## **OTHERS**

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- Coding
- Reading and Writing
- Chess