

# RONALD KIPLANGAT

## Software Engineer

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Goal-driven IT Professional and Computer Science Graduate with strong experience in software development, automation, and data management. Skilled in React.js, Node.js, Java, Python, and Android development, with hands-on expertise in Firebase, Selenium automation, and full-stack web design. Proven ability to develop efficient solutions, optimize workflows, and deliver projects from concept to deployment.

Passionate about continuous learning, innovation, and delivering high-quality results in fast-paced environments.

### PROFESSIONAL EXPERIENCE

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#### IT Officer - (Networking, HTML, CSS, JavaScript, PHP, MySQL)

ICT Department – County Government of Bomet, Bomet, Kenya

2022 – 2023

- Contributed to the enhancement and maintenance of the Bomet County Government Website.
- Manage and maintain computer systems, servers, and networks.
- Provide technical support and troubleshoot IT issues.
- Monitor and secure network infrastructure.

#### IT Intern/Attaché - (Networking, IT-Support)

ICT Department – County Government of Bomet, Bomet, Kenya

Jun - Sep 2021

- Assisted in maintaining and troubleshooting computer systems and network infrastructure.
- Supported the ICT team in software and hardware installation, improving system uptime.
- Helped in data entry, database management, and documentation for county digital records.
- Contributed to enhancing cybersecurity practices by implementing basic access control measures.

#### Software Developer – Android Apps (Java, Kotlin)

Freelance Self-Employed

2021 – Present

- Designed and developed responsive websites and Android applications for clients.
- Built REST APIs and integrated Firebase for authentication and data storage.
- Delivered full-stack solutions using React, Node.js, Java, and Firebase.
- Managed complete project lifecycles — from idea to deployment.

### EDUCATION

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#### Bachelor of Science in Computer Science

Dedan Kimathi University of Technology, Kenya

2023

- Strong foundation in software development, data structures, algorithms, and database systems.
- Undertook projects in system automation, machine learning, and Android app development.
- Academic excellence demonstrated through consistent performance and practical project work.

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## SKILLS & TECHNOLOGIES

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- **Programming Languages:** Java, Python, JavaScript, HTML, CSS, SQL
- **Frameworks & Tools:** Spring Boot, Selenium, Firebase, React.js, Node.js
- **Database Management:** Firebase Realtime DB, MySQL, MongoDB
- **Version Control:** Git, GitHub
- **Software Development:** REST APIs, CRUD operations, Agile/Scrum methodology
- **Automation & Analysis:** Selenium WebDriver, Web scraping, Data trend analysis
- **Other:** Digital content creation, technical documentation, Project management

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## PERSONAL PROJECTS

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- **MyPortfolio** - <https://ronkiruiweb.vercel.app/>
  - *Summary:* This is my personal portfolio designed and developed by me from scratch.
  - *Technologies:* React.js, Typescript, JavaScript, Node.js
- **Chimmuni** – <https://github.com/RonKirui/Chimmuni>
  - *Summary:* An android app that helps mothers to keep track of their children's immunizations and schedules.
  - *Technologies:* Java, Android SDK, XML, Firebase Realtime Database, Firebase Cloud Messaging (FCM), SQLite, MVVM architecture.
- **TeaPlus** – <https://github.com/RonKirui/TeaPlus>
  - *Summary:* An Android app built in Java that enables tea farmers to record, track and manage tea leaves production.
  - *Technologies Used:* Java, Android SDK, XML, SQLite, Firebase Realtime Database, PDFDocument/iText, MVVM architecture.
- **Alphapp-Dairy** – <https://github.com/RonKirui/Alphapp-Dairy>
  - *Summary:* Android application that enables farmers to record, monitor, and manage daily dairy and poultry production, health, and inventory data efficiently.
  - *Technologies:* Java, Android SDK, XML, SQLite, Firebase Realtime Database, MVVM architecture.

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## VOLUNTEERING & OTHER ACTIVITIES

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- Volunteered as a Junior Developer in a hotel booking app project.
- Active learner — currently advancing in React.js, Node.js, and Spring Boot.