

# Emmanuel K. Chirchir

chirchir7370@gmail.com | linkedin.com/in/emmanuel-chirchir

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## Summary

Highly skilled Software Engineer with over 6 years of experience optimizing and deploying high-performance applications for education, healthcare, and financial services. Collaborative team player with expertise in microservices architecture, RESTful API optimization, and data protection protocols.

## Work Experience

### Software Group

*Software Engineer*

**Sofia, Bulgaria**

*Nov 2021 — present*

- Contributed to the implementation of a mobile wallet application that facilitated effortless transactions for 5 million users.
- Developed and integrated a microloan application for e-wallet empowering customers with convenient loan services.
- Integrated a banking system into the e-wallet application ensuring efficient fund transfer.
- Contributed to the implementation of e-wallet's back office that is used to streamline backend processes of user management, configuration, and reporting.
- Led the development of a USSD mobile banking application enabling over 33k customers to conduct transactions and access loan services without an internet connection.
- Contributed to the development of an agency banking application that simplified the registration of bank customers and issuance of prepaid cards.
- Conduct code reviews for junior developers, fostering a culture of learning and adherence to coding standards.

### Safeboda

*Backend Software Engineer (Contractor)*

**Ebene, Mauritius**

*Oct 2023 — May 2024*

- Develop a payment gateway that manages third party integrations for safeboda wallet.
- Lead in the backend development of Safeboda's business Portals.
- Help refactor wallet application from Elixir/Phoenix to Nest.js

### Diralink | <https://diralink.com>

*Lead Software Engineer*

**Nairobi, Kenya**

*Jan 2023 — Dec 2023*

- Designed and developed Diralink, a hotspot management system that enables users to monetize their internet by leasing out unused bandwidth.
- Implemented reseller's portal providing a seamless hotspot configuration, view payment history, and user management.
- Implemented a secure payment system for immediate user connectivity upon payment and automatic disconnection after bandwidth depletion.

### Zamara Group

*Fullstack Software Developer*

**Nairobi, Kenya**

*Jun 2020 — Oct 2021*

- Spearheaded the design and development of in-house CRM, leading to increased customer retention and a surge in lead acquisition.
- Developed a pension application (Web, Android, and IOS), serving over 100k clients, enabling them to conveniently check their pension balance and update beneficiaries.

- Designed and implemented CRM's back office that provided seamless support for customers and optimized organizational efficiency.
- Implemented an admin management portal that collated pension and insurance data into interactive charts, enabling insightful managerial decision-making.
- Developed a lead management system for insurance prospects, ensuring efficient lead tracking and nurturing.
- Developed a claim tracking system, streamlining communication efficiency and expediting the claim process.

### **Juza Africa, Freelance Sites**

**Nairobi, Kenya**

*Software Developer - Contractor*

*Jan 2018 — Jan 2021*

- Contributed to the development of Juza marketplace, a school management system that connects guardians, students, and teachers fostering seamless communication and learning opportunities.
- Developed and delivered custom web applications for 10 clients, resulting in a 20% increase in client satisfaction and positive feedback on project completion timelines.
- Implemented automated testing strategies on 5 projects, reducing the average bug count by 30% and ensuring robust reliable software deliverables.
- Collaborated with 5 cross-functional teams to analyze project requirements, resulting in 100% on-time project delivery and seamless integration of software components.
- Optimized database queries and indexing on 2 projects, leading to a 25% improvement in database query performance and faster data retrieval for end users.

## **Education**

**Laikipia University** | Kenya

Bachelor of Science in Information Communication Technology (ICT)

*Second class Honors (Upper Division)*

## **Skills & Competencies**

### **Technical Skills**

JavaScript, Typescript, Node.js, React.js, Elixir/Phoenix, Express.js, Nest.js, SQL Server, MYSQL, PostgreSQL, Docker, Microservice architecture, RESTful API Development, CI/CD, TDD.

### **Workplace Skills**

Problem-solving, teamwork, critical thinking, effective communication, reliability and dependability, and open-mindedness.