

## MERCY NJERI MBAO

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## PROFESSIONAL SUMMARY

Software Developer with strong experience in **React, Next.js, Node.js, and Python**, building scalable web applications and contributing to **open-source Bitcoin projects**. Proven ability to lead teams, ship production-ready features, and integrate secure backend services. Passionate about **clean code, performance, and user-centered design**.

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## TECHNICAL SKILLS

**Frontend:** React, Next.js, JavaScript (ES6+), HTML5, CSS3, Tailwind, Responsive UI

**Testing:** Jest, React Testing Library, Playwright (e2e)

**Backend:** Node.js, Express, Python (FastAPI, Flask), REST APIs

**Databases:** MySQL, sqlite3, PostgreSQL

**Auth & Security:** JWT, HTTP authentication

**Blockchain:** Bitcoin fundamentals, Lightning basics, Avalanche

**Tools:** Git, GitHub, Figma, Agile/Scrum

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## EXPERIENCE

### Frontend Developer Intern — Tech Sisters Kenya (2025- Present)

- Built and optimized responsive UI components using React & Next.js
- Improved accessibility and performance across multiple pages
- Collaborated with designers and backend developers in an agile environment
- Wrote unit and integration tests with Jest & React Testing Library

### Peer Lead & Frontend Tech Lead — Bitcoin Dada Devs (2025 – Present)

- Led frontend architecture for a Bitcoin-focused final project
- Mentored developers, reviewed PRs, and enforced clean coding standards
- Coordinated feature delivery and technical decisions across the team

### Freelance Frontend Developer — Remote (Jan 2025 – Present)

- Delivered production-ready web apps including a mental wellness platform, portfolio sites, and a Bitcoin crowdfunding platform
- Worked directly with clients to translate requirements into scalable UI solutions.

### **ICT Support Assistant — Capital Markets Authority (Kenya) (2020 – 2021)**

- Provided technical support and troubleshooting for internal systems
  - Strengthened problem-solving, documentation, and communication skills
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### **OPEN SOURCE & TECH CONTRIBUTIONS**

- Contributor to Lightning Gallery (BitDevs Nairobi)
  - Currently contributing to Bitcoin mempool fee estimation features
  - Reviewed multiple Bitcoin-related open-source projects
  - Active contributor in Bitcoin developer communities (Bitcoin dada devs, African bitcoiner and Btrust, bitdevs-Nairobi)
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### **EDUCATION & TRAINING**

- Btrust Pathway 1 & 4: Mastering Bitcoin & Python Language Club
  - Btrust Boss Bootcamp (4 Weeks)
  - Bitcoin & Blockchain Bootcamp — BTC Dada Dev
  - Web Development Bootcamp — Project Power Learn
  - Frontend Bootcamp — Tech It Girls
  - B.Sc. Library & Information Science — Chuka University
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### **CERTIFICATIONS**

- Isentry Technologies – frontend developer
- Avalanche Fundamentals & Subnet Architecture
- Technical Fundamental Support — Coursera
- Frontend Development — Tech It Girls