

DANCAN ONGONG'O

Full-Stack Software Engineer | Mobile Developer | Cybersecurity Specialist

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Detail-oriented Full-Stack Software Engineer with expertise in modern web and mobile development frameworks, complemented by a strong background in cybersecurity and networking. Proficient in developing responsive, secure applications using React, Next.js, React Native, and Node.js, while implementing DevOps best practices. My cybersecurity expertise directly informs my development approach, allowing me to implement secure coding practices and build robust applications with security as a priority. Dedicated to creating seamless user experiences through innovative solutions and continuous learning.

TECHNICAL SKILLS

Frontend Development:

- React.js, Next.js, HTML5, CSS3, JavaScript (ES6+)
- Tailwind CSS, Responsive Web Design, UI/UX Design Principles

Backend Development:

- Node.js, Express.js, RESTful APIs, GraphQL
- Authentication & Authorization (JWT, OAuth)
- PHP, API Integration and Development

Mobile Development:

- React Native (iOS & Android), Expo

Database Management:

- MongoDB, MySQL, Firebase Firestore

DevOps & Version Control:

- Git, GitHub, CI/CD Pipelines, GitHub Actions

- NPM, Yarn, Webpack

Cybersecurity & Networking:

- Network Security, Vulnerability Assessment
- Penetration Testing, Ethical Hacking
- Kali Linux, Security Auditing

Programming Languages:

- JavaScript, Python, PHP, C++

PROJECTS

In-room Dining Web Application

- Engineered a responsive web application for Airbnb using Next.js and Tailwind CSS
- Implemented secure user authentication and real-time order tracking
- Designed intuitive UI/UX to enhance customer dining experience
- Integrated payment processing and order management systems

Electronic Repair Shop Management System

- Developed a comprehensive management system using the MERN stack
- Created automated inventory tracking and customer relationship management features
- Implemented a ticketing system for repair status updates
- Designed responsive dashboard with real-time analytics

Recipe Application

- Built a feature-rich recipe application with React.js frontend and MongoDB backend
- Implemented JWT authentication for secure user access
- Designed responsive layouts for optimal viewing across devices
- Created a robust search and filtering system for recipe discovery

Mobile Book Reading App (KAILEYS CONSORTIUM)

- Developed a cross-platform mobile application using React Native
- Implemented offline reading capabilities and bookmark functionality
- Created smooth page transitions and customizable reading experience

- Designed user engagement features including progress tracking

RCM College Website

- Designed and developed a responsive educational website using Next.js
- Implemented content management system for easy updates
- Created secure student and staff portals with role-based access
- Optimized for fast page loads and mobile responsiveness

BSR Hospital Website

- Developed a comprehensive healthcare website improving online presence
- Implemented appointment scheduling and patient portal features
- Created responsive design for accessibility across all devices
- Integrated secure patient data handling compliant with healthcare standards

For live demonstrations and additional project details, please visit my professional portfolio at danray472.github.io/portfolio/

EXPERIENCE

Full-Stack & Mobile Developer (Freelance/Projects)

- Architected and developed scalable web and mobile applications using modern JavaScript frameworks (React, Next.js, React Native)
- Implemented secure authentication systems and data protection measures
- Designed responsive, intuitive user interfaces with Tailwind CSS and custom styling
- Set up automated CI/CD pipelines with GitHub Actions for streamlined deployment
- Collaborated with clients to translate requirements into functional applications
- Maintained code quality through comprehensive testing and code reviews

Networking and Cybersecurity Specialist

- Implemented comprehensive network security solutions reducing vulnerabilities by 30%
- Conducted vulnerability assessments and penetration testing to identify security risks
- Configured and maintained network infrastructure for optimal performance
- Applied security best practices to protect sensitive data and systems
- Provided technical support and troubleshooting for network-related issues

CERTIFICATIONS

- CCNA: Enterprise Networking, Security, and Automation
- CCNA: Switching, Routing, and Wireless Essentials
- Network Security Specialist
- Cyber Security: Ethical Hacking
- CyberOps Associate
- DevNet Associate
- Python Programming Certification
- JavaScript Development Certification
- Responsive Web Design Certification
- Linux Fundamentals Certification
- JavaScript Algorithms and Data Structures
- Introduction to Data Science
- Big Data Analysis
- IoT Fundamentals

EDUCATION

Diploma in Software Engineering

Zetech University, Nairobi, Thika Road