ANNITA CHERUTO

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Junior Software Developer/Full Stack Engineer

A results-driven Software Developer passionate about building modern, scalable, and high-performance applications that translate real-world problems into elegant digital solutions. Proficient in full-stack development with a strong focus on React and JavaScript for web interfaces, Python for backend logic, and Kotlin for mobile application development. Skilled in UI/UX implementation, API integration, and architecting secure databases using MySQL to ensure production-level performance and maintainable code.

EDUCATIONAL BACKGROUND

Kabarak University   **Nakuru, Kenya**
Bachelor of Information Technology   09/2022 – 12/2026(expected)
Singore Girls High School   **Elgeyo - Marakwet, Kenya**
High School Certificate (KCSE)   01/2018 – 04/2022

PROFESIONAL COURSES AND CERTIFICATION

Course Certificate Cyber Security Best Practices and Standard – Alison's
Course Certificate Python Programming – University of Michigan 2025 - Ongoing
Course Certificate Google AI Essentials – Google AI Essentials
Course Certificate IBM Full – Stack JavaScript Developer – 2025 Course era ongoing

TECHNICAL SKILLS

Software Development

- Frontend: React.js, JavaScript (ES6+), Material 3 Design
- Mobile: Kotlin, Android Studio
- Architecture: MVVM Architecture, Responsive UI

Cloud & Backend

- Logic: Node.js, Python
- Database: MySQL, Relational Database Design
- API: REST API Integration, Secure Backend Interaction

Software Engineering & Tools

- Git & GitHub
- Agile/Scrum
- Clean architecture & maintainable code
- CI/CD fundamentals (GitHub Actions)

TECHNICAL PROJECTS

MediBook (Hospital Booking System) | Github

A sophisticated full-stack healthcare scheduling platform designed to optimize patient flow and administrative efficiency.

- Developed a dynamic frontend using React.js, implementing State Management to handle real-time UI updates for appointment availability.
- Engineered a robust backend integration with MySQL, utilizing advanced SQL queries to manage complex relational data between patients, doctors, and time slots.
- Ensured Data Integrity by implementing transaction handling to prevent double-booking and data conflicts during peak usage.
- Architected the system following Clean Architecture principles, separating concerns between the UI and data layers for easier feature scaling.

IdeaLink Application | Github, Github

A collaborative innovation ecosystem built to bridge the gap between student concepts and technical implementation.

- Developed an end-to-end innovation tracking system using Node.js and React, allowing for asynchronous project updates and real-time collaboration.
- Implemented a secure user authentication and moderation workflow, ensuring that project repositories are only accessible to authorized contributors.
- Optimized database performance by architecting efficient MySQL schemas for high-volume multimedia storage, including project documentation and evidence uploads.
- Built a responsive and interactive UI using JavaScript and Material Design principles, resulting in a 30% increase in user engagement during testing phases.

University Course Registration System |Github

A high-performance backend solution for managing academic enrollments and institutional course catalogs.

- Engineered core business logic using Python, focusing on algorithmic efficiency for student-to-course matching and prerequisite validation.
- Refactored legacy code to implement modular functions, significantly improving system readability and reducing technical debt.
- Designed a scalable Relational Database schema to maintain data consistency across thousands of student records and course modules.

WORK HISTORY

Social Health Authority (SHA)   **Kisumu, Kenya**
IT Support Attaché   09/2024 – 12/2024

- Provided first-line technical support to medical and administrative staff, resolving hardware, software, and network-related issues.
- Installed and configured Windows operating systems and specific enterprise health applications to ensure operational continuity.
- Performed hardware diagnostics and maintenance across departments for PCs, printers, and network peripherals.
- Assisted in monitoring network availability and identifying connectivity failures to minimize operational disruptions.
- Documented technical issues and resolutions, improving the overall efficiency of helpdesk operations.

REFERENCES

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