

MA. DIANA ROSE ANGAN-ANGAN

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PROFESSIONAL SUMMARY

Aspiring software developer passionate about building practical, user-friendly software solutions. I am eager to apply and expand my skills, contribute to real-world projects, and learn from collaborative team environments.

AVAILABILITY: 25 - 40 hours per week (flexible schedule)

KEY STRENGTHS: Software Development • Application Design • Problem Solving • Team Collaboration • Adaptability • Time Management • Fast Learner • Detail-Oriented

RECENT PROJECTS

AgriTrust: Blockchain-Driven Agricultural Supply Chain Application

Capstone Project | Full-Stack Developer | December 2025

Developed a suite of mobile applications for farmers, customers, and delivery drivers to streamline agricultural commerce. Each app enables transparent product tracking, secure blockchain transactions, and automated payment distribution, improving accountability and efficiency across the supply chain.

Key Contributions :

- Designed and implemented separate apps with tailored UI/UX for farmers, customers, and drivers.
- Integrated blockchain for tamper-proof transaction records and audit trails.
- Built an analytics dashboard to help farmers make data-driven pricing decisions.
- Developed an automated payment system to distribute funds immediately upon delivery.
- Added GPS-based mapping and route optimization to ensure fair delivery pricing.
- Implemented real-time notifications for order updates with verified transaction tracking.

Tools & Technologies Used: React Native, Expo, Node.js, Express.js, Solidity, Ethers.js, Firebase, MongoDB, Google Maps, Stripe, Sepolia Testnet, Mobile Development

Github: <https://github.com/dianaangan/AgriTrust>

KnockTrack: IoT Smart Doorbell Monitoring System

Independent Project | Full-Stack Developer | September 2025

Developed an Android smart doorbell system that delivers instant mobile notifications when visitors arrive and maintains comprehensive activity records, enhancing home security and remote monitoring capabilities.

Key Contributions:

- Designed and developed complete Android application with intuitive UI/UX from wireframes to implementation
- Implemented real-time push notification system for instant doorbell activity alerts
- Built activity monitoring dashboard displaying visitor patterns, statistics, and chronological event history
- Established cloud-synchronized data storage ensuring cross-device accessibility
- Developed secure authentication system restricting access to authorized users only

Tools & Technologies Used: Kotlin, Android, Firebase, Mobile Development

Github: <https://github.com/dianaangan/AgriTrust>

TECHNICAL SKILLS

Programming Languages

- JavaScript/TypeScript
- Java
- Python
- Kotlin
- C#
- PHP
- SQL
- C
- Solidity

Web & Mobile Frameworks

- React/React Native
- Node.js/Express.js
- ASP.NET Core
- HTML5/CSS3
- Expo

Blockchain Technology

- Solidity Programming
- Smart Contract Development
- Hardhat Framework
- Ethers.js
- Sepolia Testnet

Development Tools

- Git/GitHub
- Postman
- Figma
- Visual Studio/VS Code
- Android Studio
- IntelliJ IDEA
- Apache Netbeans
- AI-assisted tools (ChatGPT, Cursor)

Database Systems

- MySQL
- SQL Server
- MongoDB
- Firebase
- Supabase

APIs & Services

- Google Maps/Places API
- Stripe Payment Gateway
- Firebase Cloud Messaging
- Cloudinary
- JWT Authentication
- RESTful API Development
- Alchemy API
- Upstash Redis

Software Engineering

- Object-Oriented Programming (OOP)
- Data Structures & Algorithm
- MVC/MVP Architecture
- Database Design (ERD)
- RESTful API Design
- Agile & Scrum Methodologies
- Version Control (Git/GitHub)
- Unit Testing & Debugging

Desktop Development

- JavaFX
- Windows Forms
- WPF

EDUCATION

Bachelor of Science in Information Technology (BSIT)

University of Cebu Banilad Campus, Cebu City, Philippines | Expected May 2026

- Dean's List recipient for Years 1-2
- 3rd Place, ICT Congress 2024 Hackathon (April 2025)
- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Software Engineering, Web Development, Mobile Application Development, Network Administration

CERTIFICATIONS & TRAINING

- **ICT Congress 2024 Hackathon – 3rd Runner Up** – University of Cebu (April 2025)
- **ICT Congress 2024 Hackathon Participation Certificate** – University of Cebu (April 2025)
- **Networking Essentials Certificate** – Cisco (May 2022)
- **Introduction to Cybersecurity Certificate** – Cisco (March 2022)
- **Introduction to Packet Tracer Certificate** – Cisco (May 2022)
- **NC II, Computer System Servicing** – TESDA (March 2020)