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SUMMARY

4th year IT student specializing in Web and Mobile Application Development with practical OJT experience. Experienced in collaborative environments with cross-functional teams to deliver technical solutions that meet business requirements. Capable in programming, game development and system servicing with a commitment to continuous learning and mastering emerging technologies. Seeking a challenging role where I can leverage my technical expertise and collaborative approach to contribute to innovative projects and organizational success.

EDUCATION

Bachelor of Science in Information Technology

Bulacan State University

- Specialized in Web and Mobile Application Development
- Participated in CICT 13th In-House of Completed Student Research (Candidate for Best Capstone Project)

ACADEME PROJECTS

Game Development

Coding Chronicles

- Served as lead programmer for a 2D platformer game, developing the complete codebase and core gameplay mechanics
- Created the majority of visual assets including character sprites and game elements, collaborating with team members who contributed additional artwork and background designs
- Engineered the application architecture to support cross-platform functionality, successfully enabling gameplay on both PC and Android devices
- Implemented game physics, collision detection, and player interaction systems to ensure responsive and engaging gameplay
- Coordinated with team members to integrate all visual and audio elements into a cohesive gaming experience
- Optimized performance across different hardware configurations to maintain consistent gameplay quality
- Unity was used in the development

Mobile Application Development

Capstone Project: *BulSUFind Lost and Found Application*

- Implemented essential API integrations including Google Vision API for image recognition capabilities
- Developed real-time chat functionality using Firebase Firestore database
- Engineered push and in-app notification system for immediate user alerts
- Led backend architecture for core application features, ensuring seamless data flow between services

Web Development

BulSU Classroom

- Headed the development of quiz system with automated timer, submission, and grading functionality
- Implemented advanced anti-cheating measures, including tab detection and window focus monitoring
- Developed automated grade computation algorithms that process quiz results and calculate student performance metrics
- Designed user interfaces for both student quiz-taking experience and instructor assessment management
- Collaborated with development team members to integrate the quiz and grading systems with other platform features
- Utilized JavaScript event listeners and browser APIs to monitor user activity and enforce assessment security protocols

ADDITIONAL INFORMATION

- **Technical Skills:**
 - Programming, Debugging and troubleshooting, Version control systems (Git, Github)
- **Awards/Activities:**
 - Recognized & Candidate for Best Capstone Project in CICT 13th In-House of Completed Student Research
 - Accenture PH FED/BED Intern