

Mark Dale Elroy Bagui

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EDUCATION

University of Pangasinan | 2022-2026

Bachelor of Science in Information Technology

WORK EXPERIENCE

Concentrix | December - March

IT Support

On-the-Job Training

- Helped staff troubleshoot computer, software, and network problems to keep work running smoothly.
- Deployed and set up new PCs for employees, including software installation and basic configuration.
- Installed, configured, and maintained computer systems, applications, and peripheral devices to ensure smooth daily operations.

PROJECTS

Design and Implementation: A Comprehensive Network Security Plan for PHINMA-UPANG College of Urdaneta

- Designed a secure network infrastructure for a simulated college environment, focusing on improving network reliability, access control, and data protection.
- Implemented network security concepts such as firewall rules, segmentation, and user access policies using network simulation tools (e.g., Cisco Packet Tracer).
- Conducted testing and evaluation of the proposed network design to identify vulnerabilities and ensure secure and efficient data communication.

BILIBEADS

- Developed a cross-platform e-commerce system for Bilibeads with product browsing, ordering, and customization features.
- Built backend using PHP Laravel and MySQL, deployed on Hostinger for database and server management.
- Created a Kotlin mobile application integrated with Laravel API for real-time product and order processing.

Active Directory Home Lab

- Built an Active Directory home lab using Windows Server and Windows client virtual machines to simulate an enterprise domain environment. Configured and managed Active Directory Domain Services (AD DS), including creating Organizational Units (OUs), managing users and groups, and applying Group Policy Objects (GPOs).
- Implemented File Server Resource Manager (FSRM) for file quotas and file screening, and performed domain administration tasks such as domain joining, user management, and policy enforcement.

Cybersecurity Home Lab (Kali Linux & Metasploitable)

- Created an isolated penetration testing lab using Kali Linux and Metasploitable.
- Conducted network scanning, vulnerability assessment, and exploitation using Nmap and Metasploit.
- Practiced documenting vulnerabilities and recommending remediation.

SKILLS & INTERESTS

- Soft Skills: Communication, Adaptability, Time-management.
- Technical Skills: Linux Debian, Computer Networking Fundamentals, Active Directory Domain Services (AD DS)
- Programming Language: Python, Java, PHP