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OBJECTIVES

To show my potential skills and to be part of the progressive organization where I can demonstrate my knowledge, experience, skills and learning outcomes I acquired. I'm seeking to gain experience in my field. I am excited to learn more and enhance my abilities in the process. I offer my dedication, service and determination to be an asset to your company. Providing nothing less than the very best.

EDUCATIONAL BACKGROUND

Univeristy of Perpetual Help System DALTA Calamba Campus

Bachelor of Science in Computer Engineering
2020-2024

RELEVANT SKILLS

- Computer Literate Flexible and
- Hardworking in terms of work Initiative
- Problem Solver Communication
- Flexibility Time Management Team Collaborative
- Visual and Interaction Design

WORKING EXPERIENCE

Software Engineer (Associate Consultant)
MobileMinds Inc.
2024-2025

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, PHP, Visual Basic .NET, HTML5, JavaScript, TypeScript

Frameworks & Tools: Laravel, Livewire, Inertia.js, Vue 3, Flask, WebSockets, Spatie Roles and Permission, Spatie Laravel Multitenancy

UI & Frontend Design: Tailwind CSS, Bootstrap, CSS3, Tkinter

Microcontrollers & Hardware: Arduino, Raspberry Pi

Developer Tools & IDEs: Visual Studio Code, Visual Studio, PyCharm, NetBeans, Google Colab

Libraries & Platforms: NumPy, Matplotlib, OpenCV, Python API, .NET MAUI, PyTorch, TensorFlow, Tkinter

Version Control: Git, GitHub, GitLab, SourceTree

Databases: MySQL, PostgreSQL, SQL Server

Containerization: Docker

Development Methodologies: Iterative

CERTIFICATION

Non-Credit Professional Certificate

Google IT Automation with Python
Google Course via Coursera Platform
June 2024

Seminars Unveiling Tomorrow: The Force of Artificial Intelligence and Machine Learning
ICT Literacy and Competency Development Bueau
July 2024

PRE-PROFESSIONAL PROJECTS

Attendance Monitoring System with Face Recognition and SMS Notification **2025**

A face-recognition attendance system that automatically records student arrivals and departures, sends SMS notifications to designated recipients (e.g., parents/guardians) on entry and exit, and maintains centralized attendance logs for easy review and reporting.

Tools/Tech Used

- Python
- Tkinter
- OpenCV
- Thorny IDE
- Raspberry Pie 4B
- Camera
- Buzzer
- LED
- GSM Module
- SQLite

Overall Contribution:

- Designed a new user interface for displaying attendance log history.
- Enhanced the notification system by updating SMS alerts to email notifications.
- Implemented SQLite database integration for storing student records and logs.
- Improved overall system functionality and performance.

Skills:
- Knowledgeable in Python with Tkinter for GUI development.
- Experienced in computer vision using OpenCV for face recognition.
- Knowledgeable in database management with SQLite.
- Strong sense of responsibility, and accountability as a developer.

Supplier Management System   2024

A system that facilitates efficient transaction management between a company and its suppliers regarding Bill of Materials. The system will provide the process of publishing BOMs more efficient, notifying suppliers, receiving and evaluating quotations, and finalizing purchases.

Tools/Tech Used

- PHP
- Laravel, Livewire
- Bootstrap
- JavaScript Git, Github composer, npm
- MySQL

Overall Contribution:

- System overall UI design.
- Implemented upload documents for supplier's credentials. Implemented Supplier dashboard with backend using controller and livewire.
- Implemented forgot password of account for admin and supplier account via confirmation link thru Gmail.
- Added real-time password checker for change password account.
- Helped in finishing the admin dashboard by implementing some features that is needed in the admin dashboard.

Skills:

- Knowledgeable in PHP Laravel 10 framework.
- Knowledge of designing the system using Bootstrap, CSS, and JavaScript.
- With a good and pleasing personality, has a sense of responsibility and accountability.
- Learned to be a collaborative team member in order to achieve project goals.
- Intermediate experience in using Livewire to easily implement functionality in the system.

Capstone   2023 - 2024
Best in Thesis
FireQuake Detection at UPHSD-Calamba: Image Processing and Seismic Sensor Integration A prototype that detects fire using real-time webcam and earthquakes using accelerometer to improve safety of the university against risk and disaster.

Tools/Tech Used

- Python
- YOLOv8
- Google Colab
- Jupyter Notebook
- OpenCV
- Roboflow
- Visual Studio Code
- Thonny

Hardware Used

- Camera
- Seismic
- Sensor LED Buzzer
- ADC Converter
- Raspberry Pi

Overall Contribution:
- Labeled the datasets using Roboflow.
- Train the model using YOLOv8 to detect fire and smoke detection.
- Developed the web application of the prototype where you able to view the real-time monitoring and log history of the fire and smoke detection and seismic graph of the earthquake detection as well as the earthquake log history.

Skills

- Proficient in the Python programming language for developing the FireQuake detection prototype.
- Strong understanding of the software development life cycle High-level of experience with various IDE's such as Visual Studio, Thonny, and Google Colab Experience in development with architectural design and hardware design.
- Knowledgeable in using Roboflow for dataset labeling and augmentation, ensuring high-quality training data for YOLOv8.
- In-depth knowledge of training datasets for fire and smoke detection using YOLOv8, showcasing advanced computer vision skills.
- Uses material design and supports libraries Knowledgeable about seismic graph visualization.
- Intermediate experience in Raspberry Pi microcontroller programming is needed to enable real-time monitoring and control of the LED and buzzer.
- Intermediate experience with the accelerometer sensor and ADC converter Knowledge of creating websites using Flask, HTML5, Bootstrap, and JavaScript

PROFESSIONAL PROJECTS

AI Assistance Mobile App (Backend Server

2025 - 2026

This project is a dating app that uses AI to generate personalized pickup lines. It helps users start conversations by providing creative and relevant message suggestions.

Tools/Tech Used

- Node Js
- Express
- Firebase
- Google Play Console
- Google Cloud Console
- Axios
- Middlware
- Postman
- RESTFul API
- OpenAI

Overall Contribution:

- Created a backend server to support API's to support the Dating mobile app.
- Integration of OpenAI to the backend services.
- Developed backend APIs to verify and manage Google Play subscriptions, including storing purchase data and updating user subscription status.
- Integrated Cloud Pub/Sub to publish subscription events, enabling real-time notifications for subscription verification and cancellation.
- Configured Google Play Real-Time Developer Notifications (RTDN) and verified Pub/Sub topic connectivity.

Skills:

- Proficient in developing backend applications using Node JS and Express.
- Knowledgeable in working with Firebase services including Firestore and Cloud functions.
- Skilled in Integrating and managing Google Play subscriptions and Real-Time Developer Notifications (RTDN).
- Experienced using Google Cloud services like Pub/Sub for event-driven architecture.
- Experience in using Google Play Console to connect and manage service accounts from Google Cloud Console for subscription management and real-time notifications.
- Knowledgeable on working with OpenAI API for AI integration into backend services.
- Knowledgeable on doing testing and debugging APIs using Postman.

Full System Redevelopment: Employee Portal Transition from ColdFusion to Laravel (Asia United Bank)

2025

A project focused on rebuilding the existing Employee Portal by migrating it from a ColdFusion system to a modern Laravel framework, improving performance, security, and maintainability.

Tools/Tech Used

- Laravel 12
- Inertia Js
- Vue3 Js
- Tailwind CSS
- Dynamic Link Library
- SQL Server
- GitLab
- Git
- SourceTree
- Docker
- Azure Data Studio
- Spatie Laravel Multitenancy

Overall Contribution:

- Prepared the team for project contributions.
- Developed major modules and components for reference.
- Replicated the ColdFusion encrypt/decrypt algorithm for user passwords.
- Addressed database connection switching with Spatie Laravel Multitenancy.
- Implemented encryption/decryption for salaries and monetary amounts using the existing DLL.

Skills:

- Proficient in Laravel 12 and backend module development.
- Skilled in implementing Spatie Laravel Multitenancy for database switching.
- Experienced in legacy encryption replication and secure data handling.
- Knowledgeable in application security using Spatie packages.
- Managed version control and collaboration using Git, GitLab, and SourceTree.
- Knowledgeable in DLL-based encryption for sensitive salary data.
- Capable of building core project structures and reusable components.
- Strong troubleshooting and problem-solving skills in authentication and database issues.
- Effective team collaborator with clear technical communication.

**Migrating Desktop Tellering System to Web Application with Content Management System
(Asia United Bank)**   **2025**

 Webified desktop tellering system with CMS using Laravel 12 + Vue 3.

Tools/Tech Used
- Laravel 12
- Inertia Js
- Vue3 Js
- Tailwind CSS
- RESTful API
- MySQL
- GitLab
- Git
- SourceTree

Overall Contribution:
- Developed the Content Management System (CMS).
- Created a reusable component for the Web Tellering POC project.
- Implemented the Check Deposit module across the projects.
- Implemented officer-override features using Laravel Reverb (WebSocket).
- Implemented a mock API call using the REST API.
- Fixed the 419 "page expired" error that occurred when running both projects simultaneously on localhost.

Skills:
- Proficient in Laravel 12 framework, MVC, and RESTful API development.
- Front-end design experience with Tailwind CSS and JavaScript.
- Skilled in data modeling and database management.
- Knowledgeable in application security using Spatie packages and Laravel Gates/Policies.
- Managed version control and collaboration using Git, GitLab, and SourceTree.
- Reliable, accountable team player with strong interpersonal skills.
- Managed version control and collaboration using Git, GitLab, and SourceTree.
- Took initiative in planning and problem-solving, showing accountability for deliverables and timelines.

**Monitoring Work Order System
(MobileMinds, Inc)**   **2025**

A web-based system that streamlines work order tracking, time charges, leave management, and manpower allocation across projects. It allows employees to log daily work hours per project, while managers can review and approve leave requests, monitor manpower distribution, and generate computed reports for efficient project oversight.

Tools/Tech Used
- Laravel 11
- Inertia Js
- Vue3 Js
- Tailwind CSS
- MySQL
- GitLab
- Git
- SourceTree

Overall Contribution:
- Created the base project structure.
- Designed and implemented the database schema.
- Developed CRUD functionalities for various project modules.
- Integrated Spatie packages for role management and authentication security.
- Implemented email notifications for password reset functionality for both new and existing employees.
- Utilized Eloquent ORM for efficient database interaction.

Skills:
- Proficient in Laravel framework with experience in project setup and architecture.
- Skilled in database schema design and implementation.
- Experienced in developing CRUD functionalities across multiple modules.
- Knowledgeable in application security and role management using Spatie packages.
- Proficient in using Eloquent ORM for database interaction.
- Reliable and collaborative team player with a sense of accountability and responsibility.
- Strong problem-solving skills with initiative in improving system functionality.

Content Management System
(Rustan's Coffee Corporation (Philippines))   **2024**

A web-based system that manages employee records, controls user roles and permissions, and maintains accountability through a comprehensive audit trail. It provides secure, efficient, and centralized administration for organizational operations.

Tools/Tech Used

- Laravel 11
- Inertia Js
- Vue Js
- Tailwind CSS
- MySQL
- GitLab
- Git
- SourceTree

Overall Contribution:

- Established the Eloquent ORM.
- Integrated Spatie packages to implement role- and permission-based security.
- Designed database schema and implemented Eloquent ORM models for efficient data access.
- Implemented the CRUD functionality on the projects.

Skills:

- Proficient in Laravel with expertise in Eloquent ORM for efficient data management.
- Skilled in designing and implementing database schemas and models.
- Experienced in developing CRUD functionalities across multiple modules.
- Knowledgeable in role- and permission-based security using Spatie packages.
- Strong problem-solving skills and ability to optimize application data access.