

# TRISVAN GLENN LEYESA

## SOFTWARE ENGINEER | FULL STACK WEB DEVELOPER

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### SUMMARY

Full-stack software engineer with 8+ years of experience designing and delivering scalable systems that solve operational bottlenecks. Proven track record of improving performance, eliminating manual workflows, and building production-ready applications for utility and manufacturing environments.

### SKILLS

**Backend:** PHP (Laravel), Node.js (Express.js, NestJS)

**Frontend:** React, AngularJS

**Database:** MySQL, SQL Server, PostgreSQL

**DevOps / Infra:** Docker, IIS, Nginx, Apache

**Version Control:** Git

### WORK EXPERIENCE

#### **Full Stack Web Developer**

M.A. Technology Inc.

July 2022 - Present

- Redesigned legacy manufacturing workflows and system architecture, reducing manual encoding and improving process traceability.
- Architected and led full-stack development of a digital production tracking system replacing manual checksheets across manufacturing operations.
- Diagnosed deployment failures and reconfigured IIS/Nginx environments, stabilizing production releases and reducing downtime incidents.
- Improved system reliability by optimizing backend queries and refactoring legacy code.

#### **Software Engineer**

Gzonetech Inc. (*Affiliated company*)

January 2021 - July 2022

- Led development and modernization of 5 critical UMS modules (Customer, Billing, Work, Collection, Field).
- Served as technical point of contact for production-related issues and deployment coordination.
- Improved application stability through backend refactoring and structured validation logic.
- Coordinated deployments across IIS environments for multiple client installations.

#### **Software Engineer**

Utility Solutions Inc.

May 2020 - Dec 2020

- Maintained and enhanced core UMS modules used by utility clients.
- Diagnosed and resolved production issues affecting billing and operational workflows.
- Optimized MySQL queries to improve report generation performance.
- Assisted in client system integrations and data synchronization processes.

#### **Associate Software Engineer**

Fieldtech Specialist Inc.

June 2017 - Feb 2020

- Implemented new features and resolved bugs in UMS platform under senior supervision.
- Assisted in maintaining Customer and Billing modules.
- Supported database updates and legacy code adjustments.
- Contributed to development of a web-based audit dashboard supporting field store inspections, reporting, visualization of GPS coordinate data transmitted via SMS, and client API integrations.

## **PROJECTS**

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### **Production Process Checksheet System**

- **Tech Stack:** JavaScript (React), PHP (Laravel), Node.js (Express.js), SQL Server, GitHub
- Replaced manual production checksheets with a digital system, eliminating data inconsistencies and reducing encoding errors.
- Designed validation logic to prevent out-of-sequence station processing, ensuring manufacturing compliance and data integrity.
- Built backend safeguards to prevent duplicate or conflicting data generation across devices.
- Improved traceability by implementing structured audit logging and reporting mechanisms.

### **UMS (Utility Management System)**

- **Tech Stack:** JavaScript (AngularJS), PHP, MySQL, Google Maps API, GitHub
- Modernized and maintained 5 critical modules (Customer, Billing, Work, Collection, Field), improving system stability for utility clients.
- Integrated UMS with external client systems to ensure synchronized billing and operational data.
- Resolved performance bottlenecks in MySQL queries, reducing report generation time.
- Delivered production-ready features used by utility providers such as MORE POWER and MLWD.

### **Audit Admin / Dashboard System**

- **Tech Stack:** JavaScript (AngularJS), PHP, SQL Server, Google Maps API
- Developed a web-based audit administration dashboard to manage and visualize retail store inspection data.
- Built reporting and analytics modules to monitor product compliance and field audit performance.
- Implemented field personnel tracking by consuming GPS coordinate data stored in the database and visualizing locations using Google Maps API.
- Developed backend APIs and data processing logic to handle audit submissions and ensure data integrity.
- Integrated secure APIs to transmit consolidated audit results to client systems.

## **EDUCATION**

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### **AMA Computer College - Batangas**

BS in Information Technology | 2014 - 2017