Jason Jay Gurang

Licensed Electronics Engineer | Fullstack Web Developer

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Web Portfolio

https://me.geejayjay.org

Tech Stack

Languages:
Typescript, JS, C#, C++, Python

Frameworks:
Vue.js, Node.js (Fastify), ASP.NET Core

Database:
Redis, PostgreSQL, SQL Server

Tools:
Postman, Git, PM2, Docker, Nginx

License/Certifications

Electronics Engineer
Professional Regulation Commission
May 2022

Electronics Technician
Professional Regulation Commission
May 2022

Professional Certificate in Computer Science for Web Programming
Harvard X ⊕
July 2023

References

Filmann Simpao, PECE
USEP KTTD Director
+639333266173

Francis Dave Cabanting
LSSSNHS TEACHER
+639104673842

David Xyz Callena
DOST-ASTI - PTA IV
+639760574802

Experience

DOST-ASTI | ALAM-LSI Project — June 2024 - June 2025
Project Technical Assistant VI — Davao City

- Developed a scalable web application using Vue.js and Node.js (Fastify) to store and manage large volumes of inference files and images for multiple users. Improved UX/UI with responsive design and animations. Integrated Server-Sent Events (SSE) for real-time updates. Implemented Single Sign-On (SSO) and email notifications. Built a lightweight content management interface to facilitate user data handling.

- On the backend, improved query performance through database indexing and implemented Redis caching for commonly accessed images. Used asynchronous batch processing for handling larger operations. Employed PM2 for basic process management and server reliability. Implemented session-based authentication with Redis, Role-Based Access Control (RBAC), CSRF protection, input validation

- Delivered comprehensive user/admin documentation and collaborated closely with the research team to gather feedback, offer insights, and propose solutions for new features

Lane Systems, Incorporated — August 2022 - June 2024
Software Developer — Davao City

- Independently developed a C# ASP. NET Core web application for asset management, featuring robust date-based accounting reports using Telerik Reporting, including asset tracking, depreciation, transfers, and adjustments.

- Maintained and enhanced existing .NET Core and .NET Framework applications across insurance, logistics, accounting, and retail domains. Improved SQL Server performance through indexing, stored procedures, and schema refinements for efficient data operations.

- Create technical plans and provide schedules and progress for sprints and deliverables.

Education

University of Southeastern Philippines — 2015 - 2020
Bachelor of Science in Electronics Engineering — Obrero, Davao City