JOHCEL GENE T. BITARA

SOFTWARE ENGINEER

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ABOUT

I am a Filipino Software Engineer passionate about learning and applying new technologies in general. Seeking opportunities, equipped with 5+ years of work experience on various software technology tools to create a beautiful system design.

TECHNICAL SKILLS

C# | PHP | HTML/CSS/Sass/JS | Typescript | React | Tailwind | Python | Unity | Flutter | Laravel | .NET | Oracle | MSSQL | Firebase | PL/SQL | Digital Ocean | Google Suite & GCP | CI/CD | Docker | OOP | SDLC | Git | Terminal | Leader | Designer | Agile | Tests

WORK EXPERIENCE

Ateneo de Naga University – **Project HRIS (Phase 1 and 2)**   June 2024 – Present
Contract • Lead Full-Stack Web Developer   *Naga City, Camarines Sur, 4400*

- Developed key modules of the application ranging from **reports, management, design, data processing/analysis, and hardware configuration** resulting in a **drastic improvement** to the HR's workflow in terms of **eliminating the manual processes**. Enforced clean architecture to the project with OOP concepts, MVC, and enforced Agile development – RAD for the development team.
- Designed the database schema in Oracle using ERD and optimized **data rendering** and fetching of employee records on thousands of records by usage of optimized PL/SQL queries, views, procedures, indexing, functions, server-side implementations & SSR, batch processing and client-side rendering (CSR).
- **Crafted and applied a data migration plan** to perform a **large-scale migration of up to 3,000,000+ records** from MySQL and Postgres to Oracle with **99.82% success rate**, resulting in **unified data records** of HRMO in the main database of the University.

Ateneo de Naga University – **Project RETSU**   Jan 2024 – Mar 2024
Contract • Lead Full-Stack Web Developer   *Naga City, Camarines Sur, 4400*

- Developed a queue management system solution for the University, which enhanced the user experience by **reducing queue delays** and eliminating the inconveniences associated with traditional queuing systems.
- Optimized front-end, back-end, and database by improving SQL queries and data handling, increasing system efficiency by 84% and enabling **seamless page loads with 26,000+ transactions** per branch.
- Developed the entire system within a stringent two-month development and deployment timeframe, followed by a five-month maintenance period, while adhering to strict deadlines and time-sensitive pressures all including the development for writing RESTful APIs, modules, project documentation, design, and tests to client and development.

Department of Agriculture – **Project DAAMIA**   Sep 2022 – Oct 2023
Subcontract • Lead Full-Stack Web Developer   *Pili, Camarines Sur, 4418*

- Developed a weather monitoring system by processing and storing large number of datasets from a government local weather API. Created a background service built using C# WinForms for fetching and storing 10,000+ records per day of real-time weather data per station into the database.
- Implemented SMTP and **enforced backend security** for handling **RESTful API requests**, preventing server overload.

EDUCATION AND CERTIFICATION

Ateneo de Naga University, Camarines Sur (Undergraduate)

- Bachelor of Science in Information Technology (GPA: 3.40/4.00)   Expected May 2025
- Management Information System Intern and Volunteer   2021-2025
- Smartbooks and Power BI Certificate of Completion   Jun 2024
- Idea2Startup Fund Awardee (City of Naga, LGU)   Dec 2024
- SAP Business One DBMS for IT Certificate of Completion   Oct 2022

REFERENCES

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