


JOHCEL GENE T. BITARA

SOFTWARE ENGINEER

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ABOUT

I am a Filipino software engineer passionate in learning and applying technologies in general. Seeking opportunities, equipped with 5+ years of technical experience in web development technologies to create a beautiful system solution.

TECHNICAL SKILLS

C# | PHP | HTML/CSS/Sass/JS | Typescript | React | Tailwind | 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 & ADNUONE (Phase 1 and 2)**June 2024 – Present
Contract • Lead Full-Stack Web Developer (PHP, Laravel, Oracle)
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 advanced OOP concepts.
 - 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, 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** within the University.
- **Ateneo de Naga University – Project RETSU**Jan 2024 – Mar 2024
Contract • Lead Full-Stack Web Developer (PHP, Laravel, Oracle)
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 in AdNU.
 - 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 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 (C#, .NET Framework, MSSQL)
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, CERTIFICATIONS, AND ACHIEVEMENTS

- Ateneo de Naga University, Camarines Sur (Undergraduate)
- Bachelor of Science in Information Technology (QPI: 3.42/4.00)Expected May 2025
 - Management Information System Intern and Junior Application Developer2021-2025
 - Smartbooks and Power BI Certificate of CompletionJun 2024
 - Idea2Startup Qualifier & Fund Awardee (City of Naga, LGU)Dec 2024
 - SAP Business One DBMS for IT Certificate of CompletionOct 2022
 - HackerRank Freshmen Computer Programming Competition – 18th Place over 97 ParticipantsDec 2021

REFERENCES

- Joshua C. Martinez, MIT**
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