JOHCEL GENE T. BITARA

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EDUCATION

Ateneo de Naga University – Cum Laude   Expected June 2025

Bachelor of Science in Information Technology (QPI: 3.44 / 4.00)   *Naga City, Camarines Sur*
- Junior Application Developer at Ateneo de Naga University Management Information System (MIS) Office.
- Member of the Ateneo de Naga University CSGUILD – Computer Studies Guild for United Innovation, Learning & Development.

TECHNICAL SKILLS

- Programming Languages: C#, PHP, HTML/CSS/Sass, Dart, JavaScript, TypeScript.
- Framework and Libraries: ASP.NET, Laravel, Node.js, Express.js, React, Next.js, Flutter, jQuery, TailwindCSS.
- Database: MSSQL, Oracle, Redis, SQL, PL/SQL.
- Cloud, DevOps, & Tools: Google Cloud, Digital Ocean, Firebase, Figma, Git, GitHub Actions, Docker (CI/CD).

WORK EXPERIENCE

Ateneo de Naga University – Project HRIS & ADNUONE (Phase 1 and 2)   Jun 2024 – Present

Contract • Application/Backend Developer (PHP, Laravel, Oracle, Node.js, TailwindCSS)   *Naga City, Camarines Sur*
- Designed the conceptual database schema in Oracle using ERD and optimized data rendering of thousands of records by PL/SQL queries, views, procedures, indexing, functions, SSR and 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 a **99.82% success rate**, resulting in unified data records.
- Enforced clean architecture to the project with advanced OOP concepts. Wrote clear technical and project documentation, i.e., ERD, user manual, Gantt chart, swimlane, data dictionary, and code documentation.

Ateneo de Naga University – Project RETSU   Jan 2024 – Mar 2024

Contract • Lead Application Developer (PHP, Laravel, Oracle, Node.js, TailwindCSS)   *Naga City, Camarines Sur*
- Developed a digital queue management solution that processed 200-700+ daily requests enhancing operational efficiency while minimizing average wait times for clients and eliminating the inconveniences associated with traditional queuing.
- Integrated online queueing for students with QR access and a real-time queue status view for clients with customizable controls through admin management.
- Solved complex real-time bugs and optimized frontend, backend, and database by improving SQL queries and data handling, increasing system efficiency by 84%, enabling seamless page loads with **69,000+** transactions per branch.

Department of Agriculture – Project DAAMIA   Sep 2022 – Oct 2023

Subcontract • Full-Stack Developer (C#, .NET Framework, MSSQL)   *Pili, Camarines Sur*
- Developed a weather monitoring system; processing and storing large 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.

PROJECTS

STUBU.AI   Oct 2023 – Apr 2024

Lead Frontend Web Developer (React, TailwindCSS, Typescript, NodeJS, MongoDB, ExpressJS)
- An LLM-powered web application utilizing retrieval augmented generation (RAG) to generate personalized lessons and assessments for learners. Led the project management for the frontend team and conducted SCRUM meetings.

ACHIEVEMENTS AND CERTIFICATES

Idea2Startup Fund Awardee – Project STUBU.AI   Dec 2024

Local Government Unit (LGU) City of Naga   *Naga City, Camarines Sur*
- Pitched and placed among one of the final list of qualifying startups, securing a grant totaling 53,874.36 Php earmarked for the testing and deployment phases of the website.

AppCon2023 Development Contest Certificate of Participation   Jun 2024

OTIS Japan Inc.   *Naga City, Camarines Sur*

Freshmen Computer Programming Competition Certificate of Achievement   Dec 2021

Ateneo de Naga University   *Naga City, Camarines Sur*
- 18th Place among 97 freshmen participants. Thrived in a high-pressure environment, solving intricate problems within strict timeframes.