


JOHCEL GENE T. BITARA

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EDUCATION

Ateneo de Naga University

Expected May 2025

Bachelor of Science in Information Technology (QPI: 3.42 / 4.00)

Naga City, Camarines Sur, 4400

- **Relevant Coursework:** Introduction to Computing, Fundamentals of Programming, Discrete Math, Intermediate Programming, Data Structures & Algorithms, Information Management, Human Computer Interaction, OOP, Trends in Application Development, OS, Advanced Database Systems, Integrative Programming & Technologies, Computer Networking, Platform Technologies, Technopreneurship for IT Professionals, 2D Game Development, Information Assurance and Security, Web Systems and Technologies, Systems Administration and Maintenance, Systems Integration and Architecture for IT Professionals, UI/UX Design, Mobile Computing and Communication.

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, Unity, jQuery, TailwindCSS.
- Database: MSSQL, Oracle, Redis, SQL, PL/SQL.
- Cloud & DevOps: Google Cloud, Digital Ocean, Firebase, GitHub Actions, Docker (CI/CD).

WORK EXPERIENCE

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

Jun 2024 – Present

Contract • Lead Application & Backend Developer (PHP, Laravel, Oracle)

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)

Naga City, Camarines Sur

- 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.
- 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 **26,000+ transactions** per branch.

Department of Agriculture – Project DAAMIA

Sep 2022 – Oct 2023

Subcontract • Lead 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

aiProof

Mar 2024 – May 2024

Mobile Developer

Flutter, Dart, Firebase

- Lead project manager of a two-person project. Conducted KANBAN and meetings for the group.
- Implemented OCR to extract text from images for use in AI processing.

Dadsbol

Apr 2024 – May 2024

Lead Game Programmer

Unity, C#

- Led the development of the game, a physics-based 3D ragdoll power dodgeball game that allowed the team to stay on track for the short deadline. I developed the game's core mechanics and gameplay and designed its UI/UX.

- Developed the game's AI and enforced project architecture through a simulation tick-based event system that allowed for clean modularized code.

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.

eBayan

Sept 2023 – Dec 2023

Mobile Developer

Flutter, Dart, Firebase

- Lead project manager of the project. Conducted KANBAN and SCRUM meetings for the group.
- Developed core features of the application e.g., management system, authentication, and back-end configuration to Google services – Firebase, Firestore, and Firebase authentication.
- UI/UX engineer responsible for developing responsive and custom designs for an overall user experience.

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.

CERTIFICATIONS

Level 1 Certified Data Center Technician (CDCT)

Aug 2024

East West Int'l Education Specialist (EWIES), E-PLDT Vitro

Naga City, Camarines Sur

Smartbooks and Power BI Certificate of Completion

Jun 2024

Ateneo de Naga University

Naga City, Camarines Sur

SAP Business One DBMS for IT Certificate of Completion

Oct 2022

Ateneo de Naga University

Naga City, Camarines Sur

REFERENCES

Joshua C. Martinez, MIT

Ateneo de Naga University

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