


# 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 2)

February 2025 – Present

*Contract • Application/Backend Developer (PHP, Laravel, Oracle, Node.js, TailwindCSS)*

*Naga City, Camarines Sur*

- Designed the conceptual database schema in Oracle using ERD capable of handling different edge cases within the complexity of the business process in the University.
- Wrote secure RESTful endpoints for the frontend team and provided documentation using the OpenAPI (Swagger) Documentation Generator — Scramble de:doc.
- Assisted as the project manager for the development team, implementing clean Laravel architecture and building core ERP components—specifically the HRIS and ADNUONE employee portal system.

### Ateneo de Naga University – Project HRIS (Phase 1)

Jun 2024 – Jan 2025

*Contract • Application 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.

### Ateneo de Naga University – Management Information System (MIS)

Aug 2023 – May 2025

*Internship • Junior Application Developer*

*Naga City, Camarines Sur*

- Contributed to the development life cycle, creation of conceptual database design using ERD, and engineered UI/UX prototypes in Figma for new systems within the University to streamline operations and eliminate project roadblocks.

### 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.

### JubDesk

May 2022 – Aug 2022

*Subcontract • Associate Web Developer*

*Australia*

- Developed new features resulting in workflow efficiency in the company's HR management system.
- Troubleshooted and fixed major issues in the system, which enabled the company to export detailed reports on its HR system with efficiency.

## PROJECTS

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### **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. Developed the game's core mechanics and gameplay and UI assets.
- 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. Applied KANBAN and SCRUM meetings for the group.
- Developed core features of the application i.e., 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

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### **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

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### **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*