

# JOHCEL GENE T. BITARA

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[genbit-portfolio.web.app](https://genbit-portfolio.web.app)

## 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, & 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 • 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 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 **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.

### JubDesk

May 2022 – Aug 2022

Subcontract • Full-Stack 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

### 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

Mobile Developer

Sept 2023 – Dec 2023

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.

## EDUCATION

### Ateneo de Naga University

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

Expected June 2025

Naga City, Camarines Sur

## 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

Chief Information Technology Officer

Ateneo de Naga University

Naga City, Camarines Sur

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### Andrew Coros

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Freelance

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