JOHCEL GENE T. BITARA

Naga City, Philippines | +(63) 970 322 4661 | genebitara@gmail.com

linkedin.com/in/gene-bitara   github.com/genebit   genbit-portfolio.web.app

EDUCATION

Ateneo de Naga University   Aug 2021 – June 2025
*Bachelor of Science in Information Technology – **Cum Laude** (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

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

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*