

JOHCEL GENE T. BITARA

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github.com/genebit

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 • 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.

EDUCATION

- Ateneo de Naga University** Expected June 2025
Bachelor of Science in Information Technology (QPI: 3.44 / 4.00) 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.