



# JOHCEL GENE T. BITARA

SOFTWARE ENGINEER

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


## ABOUT

I am a Filipino Software Engineer passionate about learning and applying new technologies in general. Seeking opportunities, equipped with 4+ years of work experience on various software technology tools to create a beautiful system design.

## TECHNICAL SKILLS

C# • PHP • HTML/CSS/SaSS/JS • Typescript • React • Tailwind • Python • Unity • Flutter • Laravel • ASP.NET • Oracle • MSSQL • Firebase • PL/SQL • Digital Ocean • Google Cloud • Google Suite • Figma • Git/GitHub/GitLab • Terminal • Leader • Designer


## WORK EXPERIENCE

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

June 2024 - Present


*Naga City, Camarines Sur, 4400*

  - Developed key modules of the application ranging from **reports, management, design, data processing/analysis, and hardware configuration** resulting in a **drastic improvement** to the HR's workflow in terms of **eliminating the manual processes**.
  - Optimized **data rendering** and fetching of employee records on thousands of records by usage of optimized PL/SQL queries, views, procedures, indexing, functions, server-side implementations/SSR, batch processing and client-side rendering (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, resulting in **unified data records** of HRMO in the main database repository of the University.
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**Ateneo de Naga University – Project RETSU**

Jan 2024 – Mar 2024

*Naga City, Camarines Sur, 4400*

  - 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.
  - Optimized front-end, back-end, and database by improving SQL queries and data handling, increasing system efficiency by 84% and enabling **seamless page loads with 26,000+ transactions** per branch.
  - Developed the entire system within a stringent two-month development and deployment timeframe, followed by a five-month maintenance period, while adhering to strict deadlines and managing time-sensitive pressures.
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**Department of Agriculture – Project DAAMIA**

Sep 2022 - Oct 2023

*Pili, Camarines Sur, 4418*

  - Developed a weather monitoring system by processing and storing large number of 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.

## EDUCATION AND CERTIFICATION

- Ateneo de Naga University, Camarines Sur (Undergraduate)**
  - Bachelor of Science in Information Technology (GPA: 3.40/4.00)

Expected May 2025
  - Management Information System Intern and Volunteer

2021-2025
  - Smartbooks and Power BI Certificate of Completion

Jun 2024
  - SAP Business One DBMS for IT Certificate of Completion

Oct 2022
  - Idea2Startup Fund Awardee (City of Naga, LGU)

Dec 2024

## REFERENCES

- Joshua C. Martinez, MIT**

Chief Information Technology Officer

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Ateneo de Naga University

**Estrella H. Montealegre**

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Ateneo de Naga University

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Freelance