

JEROME ESGUERRA BERCERO

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EDUCATION

Technological Institute of the Philippines (2020-2024)

Quezon City

Bachelor of Science in Computer Science

Technological Institute of the Philippines (2018-2020)

Quezon City

Science, Technology, Engineering and Mathematics

WORK EXPERIENCE

Cloudwalk Digital Inc.

Quezon City

Web Developer Intern

Feb 2024 - May 2024

- Worked in a small software company, undertaking various responsibilities such as developing the frontend part of the web application using HTML, TailwindCSS, JavaScript, React, and Next.js. And utilize UI libraries for seamless and interactive User Interface such as Ant Design and Material UI.
- Developed the backend part of the system using TypeScript such as creating the API Routes for frontend and backend of the system including integrating web services like NextAuth for authentication and authorization features.
- Implemented the ReduxToolkit JS Library for state management across the application.
- Hosted the project on Vercel and utilized PostgreSQL and Prisma for database creation and management.
- Participated in stand-up meetings with project managers, UI/UX designers, and fellow software developers to ensure smooth project progression.

Cognitif Incorporated

Ortigas Center, Pasig City

Jr. Software Developer

December 11, 2024 - July 2025

- Worked in a software company that specialize in HR Business Solutions for Small to large businesses. Specifically assigned in the Non-Financial Department as a backend software developer that works with management systems products of the company such as Empleyado.
- Developed and maintained backend services for the company's existing employee management system using .NET Core 2.0 and SSMS.
- Fixing system bugs while following company coding standards and practices for consistency and maintainability. While utilizing SSMS, SQL Profiler, and Postman for debugging.
- Integration of external API from the other products such as Organization, Workflow, Job, and Payroll.
- Contributed to a new product named Performance and migrating old code base using .NET Core 8, Domain-Driven Design Pattern, and other latest backend technologies.
- Handled optimization tasks for backend services.
- Developed several client-requested feature/enhancement projects based on the given technical assessments and working closely with frontend developers to deliver enhancements. Participated in daily stand-up meetings to report progress to team leads and department heads, and coordinating and supporting QA for staging and testing.

PROJECTS

1. Nike Minimalist e-Commerce

Final Project (S.Y 2022-2023)

- Used HTML, CSS, React, JavaScript for the responsive and interactive UI components of the frontend part of the system, utilize the React-Router seamless navigation and dynamic routing, and Redux Toolkit for statement management across the web application.
- Developed the backend system such as creating the API routes and business logic of the web application using C#, ASP.NET Core, ASP.NET Web API including the creation and management of the database using Entity Framework Core and MS SQL.
- *You can check the full documentation of this project at my personal website.*
- *Version 2 of the backend system is currently in development.*

2. CWD Randomizer

Internship Project (Feb 2024 - May 2024)

- Created the UI components of the frontend part of the system using HTML, TailwindCSS, React, Redux Toolkit, NextJS, and utilized some UI components libraries such as Ant Design and Material UI.
- Developed the backend part of the system using JavaScript to create the API routes, business logic, and to integrate web services.
- Integrated the authentication and authorization feature using NextAuth
- Hosted the project on Vercel, utilized PostgreSQL, and Prisma for creating and managing the database
- *You can check the full documentation of this project at my personal website.*

3. Filipino Grammar Emendation Using Conditional Random Fields

Thesis Project (S.Y 2023 - 2024)

Part-of-Speech Tagging and Bidirectional Encoder Representations from Transformers

- Collaborated for creating the backend part using Python, FastAPI.
- Developed the mobile application using React Native and implemented Speech-to-Text and Text-to-Speech features.
- *You can check the full documentation of this project at my personal website.*

KNOWLEDGE & SKILLS

Web Development:

- **Frontend:** HTML, TailwindCSS, JavaScript, React, NextJS,
- **Backend:** C#, ASP.NET Core 2.0 and 8, WebAPI, LINQ, DDD, Clean Architecture

Database: MS SQL, SQL Profiler, Entity Framework Core, Stored Procedures

Other: Redux Toolkit, Context API, Swagger, CQRS, MediatR, Fluent Validation, ErrorOr, JWT.