EPHRAIM TEODORO

808-897-0839 | ephraimteodoro@gmail.com | ephraimteodoro.com
github.com/EPHRAIMTEODORO | linkedin.com/in/teodoro-e

Professional Summary

Computer Science student and Enterprise Information Systems Developer with professional experience building C#/.NET backend services, REST APIs, database workflows, and enterprise integrations. Experienced with ASP.NET Core, SQL, Docker, and full-stack development, with additional Python and AI/NLP research engineering experience.

Technical Skills

Backend: C#, .NET, ASP.NET Core, REST APIs, async/await, LINQ, Dependency Injection, ADO.NET, MySqlConnector, HttpClient
Languages & Web: Python, Java, JavaScript, TypeScript, SQL, React, Next.js, Node.js, HTML, CSS
Data & AI/NLP: MySQL, PostgreSQL, MongoDB, spaCy, NLTK, LanguageTool, Ollama, relational modeling, database transactions
Tools & Enterprise: Git, GitHub, Docker, Postman, Mendix, TeamDynamix, Workday RaaS, Okta, PeopleSoft, Tyk

Professional Experience

Enterprise Information Systems Developer **Feb. 2025–Present**
Brigham Young University–Hawaii | Laie, HI

- Lead developer and project manager for a C#/.NET club-management application, designing REST APIs, coordinating development across the team, and serving as the primary technical contact for Student Leadership Services.
- Designed a MySQL-backed synchronization service for TeamDynamix ticket data, replacing three external API requests with one database-backed request per club and reducing external API calls by 67%.
- Built and maintained asynchronous ASP.NET Core REST APIs using dependency-injected services, LINQ, ADO.NET/MySqlConnector, and SQL, including transactions with rollback for failure handling.
- Integrated ASP.NET Core services with Workday RaaS, Okta, and TeamDynamix APIs using HttpClient and async/await, transforming external data for internal applications and legacy PeopleSoft workflows.
- Diagnosed backend failures across account-management and language-assessment workflows, strengthening validation, exception handling, and logging; configured API authorization through Tyk.
- Containerized ASP.NET Core applications with Docker and followed a peer-reviewed Git workflow across development, acceptance, and main branches, including pull requests, acceptance testing, senior review, and production release requests.

Projects

HITL Multi-Evidence ESL Essay Assessment System *Python, Electron, Ollama, NLP | Apr. 2026–Present*

- Developed a human-in-the-loop essay assessment system combining linguistic feature extraction, local Llama inference via Ollama, rubric-based evaluation, and human review; co-authored research accepted at the 23rd AsiaCALL International Conference in Hanoi, Vietnam.
- Built an offline Electron application with a Python backend and local HTTP API, integrating spaCy, NLTK, LanguageTool, and Ollama for lexical, grammatical, discourse, and rubric-based analysis.
- Implemented Excel processing, background scoring, essay review, model-versus-linguistic-evidence comparison, human scoring and decision notes, and completed workbook export.

Learn-Kana Web App *Next.js 14, TypeScript, MongoDB | 2025–Present*

- Architected a Japanese-learning platform for Hiragana, Katakana, and 2,140 Jōyō Kanji with local persistence for anonymous users and MongoDB-backed accounts with Google federated authentication.
- Designed a rule-based adaptive practice and recommendation system using spaced repetition, accuracy, response time, recency, and error history to prioritize reviews, weak characters, and new material.

Research Experience

Undergraduate Researcher — Data Visualization Experiment **Jan.–Apr. 2026**
Brigham Young University–Hawaii | Advisor: Geoffrey Draper

- Designed a 30-participant within-subjects study using D3.js and PostgreSQL; analyzed results with Shapiro–Wilk and Wilcoxon signed-rank tests and presented findings at the BYU–Hawaii Undergraduate Research Conference.

Education

Brigham Young University–Hawaii **Expected Dec. 2026**
B.S. Computer Science | Minor in Visual Arts | TESOL Certificate
Honors & Leadership: Upsilon Pi Epsilon; Dean's List; President, Computer Science Club (Spring 2025)