

LANCE GABRIELLE S. AREVALO

Philippines | [+63 969 519 4429](tel:+639695194429) | hi@arevalolance.com | [in/arevalolance](https://in.arevalolance.com) | [GitHub](https://github.com)

WORK EXPERIENCE

COBI (AI-powered business intelligence platform for banks and fintechs across EMEA) UAE, Dubai
Software Engineer June 2025 - Present

- Implemented agentic data analysis framework, providing users with a comprehensive tool to understand their data through natural language and AI-driven agents.
- Designed and implemented an AI-powered recommendation system using Qdrant vector search and OpenAI's text embeddings, integrating collaborative filtering and semantic similarity for precise customer targeting.

HP SPRING STUDIOS (VC-backed venture studio in Bahrain building startups across MENA) Manama, Bahrain
Full-stack Software Engineer Oct 2024 - May 2025

- Led the development of the core foundations for early-stage startups in hiring ([CoHire](#)), agri-fintech ([OpenFarming](#)), and digital banking ([Cobi](#))
- Built responsive frontend, including complex multi-step forms, dashboards, and analytics.
- Implemented and migrated agentic frameworks to use AI-powered tools for autonomous data exploration and insight generation.
- Developed key platform features for CoHire, including job creation, referral tracking, email notifications, and organization management—helping streamline talent acquisition and boost engagement through network-driven hiring.

FOCUS GLOBAL INC. (Distributor of premium home and lifestyle brands in Southeast Asia) Taguig, Philippines
Front-end Engineer Oct 2023 - Oct 2024

- Implemented user-friendly interfaces and features, driving a 50% increase in website conversion rates.
- Collaborated with back-end developers, UX/UI designers, SMEs, and business stakeholders to deliver cohesive and high-performing web applications.
- Redesigned key website components to enhance user engagement and improve code maintainability.
- Optimized mobile usability and responsiveness, resulting in a 35% increase in mobile traffic and a boost in mobile-driven sales.
- Developed and managed multiple e-commerce platforms for internationally recognized brands.

Projects

Text-to-SQL SDK (A library for text-to-sql framework built for TypeScript apps - inspired by vanna.ai)

- Built an AI-powered library that converts natural language questions into SQL queries. Implemented vector-based schema learning, automatic query validation, and a composable pipeline architecture with error handling. Created training capabilities for both live databases and DDL statements to provide contextual query generation.

Key Technologies: TypeScript, PostgreSQL, Qdrant

Herbie (A telemetry analysis app for Le Mans Ultimate's sim racers)

- Herbie is a telemetry analysis platform for Le Mans Ultimate that helps sim racers improve their performance through data insights. It visualizes lap data, driving lines, and car behavior to support competitive racing strategy and skill development

Key Technologies: Next.js, TypeScript, Prisma, PostgreSQL, Python

EDUCATION

SAINT LOUIS UNIVERSITY Baguio, Philippines
Bachelor of Science in Computer Science 2019-2023
Magna Cum Laude, Dean's List 2019-2023

ADDITIONAL

Technical Skills: TypeScript/JavaScript, Next.js, React, Prisma, Vite, Express, Node.js, SQL

Languages: English & Filipino