

Hilary Asogwa

SOFTWARE ENGINEER | .NET | PRODUCT AND SYSTEMS INTEGRATION

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DON'T JUST READ WHAT I SAY I CAN BUILD. OPEN THE WORK.

PUBLIC DEMO Packing Bench Watch Renovotec demo	LIVE PRODUCT SyncUp Open the application	AI PRODUCT Frank by Idumet Visit idumet.com	 PORTFOLIO
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I LEARNED TO DELIVER IN MORE PLACES THAN A CODEBASE

Alongside my path through software engineering, night shifts, retail floors, functions, hospitality, and kitchens strengthened my reliability, customer awareness, and composure under pressure. Today I apply that discipline to commercial .NET warehouse systems, Android and iOS delivery, and an AI accessibility product being tested by real users.

TECHNICAL SKILLS

Languages: C#, Kotlin, SQL, TypeScript, JavaScript

Backend and APIs: .NET 8, .NET 10, ASP.NET Core, EF Core, Node.js, Fastify, REST APIs, WebSockets

Frontend and Mobile: React, .NET MAUI, Android, Jetpack Compose, CameraX, Retrofit

Data and Cloud: SQL Server, SQLite, MySQL, MongoDB, Azure, Google Cloud, AWS S3

Delivery and Testing: Azure DevOps, GitHub Actions, CI/CD, Google Play Console, App Store Connect, Git, TFVC, Docker, Vitest, Jest

PROFESSIONAL EXPERIENCE

Renovotec Ltd | Newton-le-Willows, UK | Jul 2025 - Oct 2026

Graduate Software Developer | Full-time

- **Packing Bench:** Designed and built Renovotec's own C# and .NET 8 proof-of-packing application, replacing reliance on third-party software and unifying barcode scanning, CCTV evidence, label printing, packing history, and reporting for customer demonstrations.

[Public Renovotec packing-solution demo](#)

- **LastMile:** Modernised the dashboard for a commercial proof-of-delivery platform and led its migration from .NET Framework 4.8 to .NET 8 and EF Core, rewriting services where obsolete packages could not be carried forward.
- **Expenses app:** Designed and built Renovotec's internal .NET MAUI expenses application with API connectivity, file selection, and uploads; managed signing, testing, and store submissions for Android and iOS, reaching an initial internal pilot that included the Technical Director.
- **Wearable workflow:** Built the Android proof of concept for a ProGlove-enabled warehouse-picking workflow and supported customer follow-up questions on implementation options and migration cost.
- **Delivery ownership:** Works across .NET 8 and .NET 10 codebases; gathers customer requirements, estimates delivery, deploys to live servers, supports releases, and troubleshoots production defects. Also replaced legacy PDF generation with QuestPDF and added diagnostics.

Ichie ICT Solutions | Enugu, Nigeria | Aug 2019 - Oct 2021

Full-Stack Developer | Part-time

- Developed market-intelligence and cryptocurrency-management applications with dashboards, themes, localisation, and role-based access control.
- Built React interfaces and Node.js, PHP, and MySQL backends for payroll, records, and customer-facing applications.
- Improved application performance through debugging and optimisation, then strengthened delivery with Jest and GitHub Actions pipelines.

FOUNDER BUILT PRODUCT

Frank by Idumet | Working private release | **Mar 2025 - Present**

Founder and Sole Engineer

<https://idumet.com>

- **AI product ownership:** Personally designed and built every prototype and the current Android AI assistant for blind and low-vision users, combining voice interaction, camera evidence, contextual assistance, and user-controlled memory. The product has approximately 10 private testers and substantive user and accessibility-expert feedback.
- **Platform:** Designed a typed Fastify 5 service with SQLite persistence, authenticated REST and WebSocket APIs, rate limits, retention controls, and provider isolation.
- **Android and release:** Developed the Kotlin and Jetpack Compose client with CameraX, Retrofit, OkHttp WebSockets, and accessible interaction patterns; automated signed Android App Bundle delivery to Google Play internal testing.
- **Operations and safety:** Deployed a monitored Google Cloud service with rollback and verified backups, and implemented deterministic boundaries plus automated failure-path coverage for navigation, road-crossing, reconnection, stale frames, and provider failures.

LIVE PROJECT AND PORTFOLIO

Portfolio: <https://hilaryasogwa.com>

SyncUp | Deployed web application | **2026**

Creator and Full-Stack Developer

<https://syncup-rust-seven.vercel.app/>

- **Product:** Built a lightweight scheduling application for coordinating availability across time zones through shareable rooms and a zero-login workflow.
- **Engineering:** Implemented timezone-aware availability and overlap calculation in React, with real-time participant updates through Firebase Firestore; configured the Vite application for deployment on Vercel.

EDUCATION

Middlesex University | London, UK | **Sep 2023 - May 2024**

BSc Information Technology and Business Information Systems | **First-Class Honours**

Relevant study: web application development, data analysis, business intelligence, statistical modelling, databases, and data visualisation.

Aptech Computer Education | Enugu, Nigeria | **Jan 2022 - May 2023**

Advanced Diploma in Software Engineering | **Distinction**

Hands-on training in .NET Core, Docker, Azure, TypeScript, and modern web development.

ADDITIONAL EXPERIENCE

HOSPITALITY AND RETAIL ROLES | 2021 - 2025

Tesco - Night shifts | The Mercers' Company - Glass washer | Fuller Functions - Waiter

PEP T Trading - Store assistant, drinks retail | Bovingdons Catering - Chef

Built reliability, customer service, teamwork, and composure across overnight retail, events, hospitality, and food-service environments while progressing into software engineering.