

# WILLIAM NASONI

## Senior Full Stack Developer | Web & Mobile

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### PROFESSIONAL SUMMARY

Senior Full Stack Developer with 7 years of experience delivering **10+ production systems across 6 countries** for clients including the World Bank, Corus International, and national government bodies. Specialises in Angular, Node.js, Vue.js, Laravel, and Flutter, with deep experience in legacy-system modernisation, mobile data capture, and analytics dashboards. Track record of building configurable platforms that cut developer dependency and consolidating duplicate codebases to reduce maintenance overhead.

### TECHNICAL SKILLS

**Frontend:** Angular, Vue.js, React, Next.js, JavaScript/TypeScript, Bootstrap, Tailwind

**Backend:** Node.js, PHP/Laravel, C#/ASP.NET MVC, RESTful API design, GraphQL, Python

**Mobile:** Flutter/Dart, Java (Android), Kotlin (Android)

**Databases:** MSSQL/SQL Server, PostgreSQL, MySQL, MongoDB

**DevOps & Cloud:** Docker, CI/CD pipelines, AWS, Linux, Git/GitHub/GitLab, npm/Vite/Webpack

**Practices:** Agile/Scrum, system design, microservices architecture, UI/UX design

### WORK EXPERIENCE

#### Full Stack Developer / IT Associate (Contract) — CGA Technologies UK

2020 – Present

*Remote | Delivering web and mobile software for international clients*

- **Delivered 6+ client projects** across education, NGO, and government sectors over 5 years, spanning web, mobile, and analytics systems — see Key Projects.
- Replaced manual, multi-step releases by building CI/CD pipelines that automated build, test, and deployment — making releases faster and repeatable.
- Containerised client applications with Docker and deployed to AWS, eliminating environment-mismatch deployment failures.
- Administered Linux server environments end to end — hosting, DNS, and deployment pipelines — keeping client production applications stable and online.
- Contributed to the team's QA standards and SOPs, working in a peer-review culture where **every line of code is reviewed and tested by another developer**.

#### Full Stack Developer (Contract) — MarketSA

2024 – Present

*South Africa (Remote) | Angular · Node.js · MSSQL · Docker*

- Architected a unified call-centre campaign platform that **eliminated per-campaign rebuilds**, cutting new-campaign launch time from **3–5 days to hours**.
- Built a dynamic forms-and-calculations engine enabling non-technical teams to configure campaign logic independently, **reducing developer involvement per campaign by ~90%**.
- Built **call-QA, audit, and agent scorecard modules**, giving managers visibility of agent performance on calls and an auditable record of campaign activity.
- Migrated a legacy Microsoft Access frontend used by **300+ call-centre agents** to a modern Angular application, improving load times and maintainability.
- Eliminated a class of recurring bugs caused by duplicated campaign code by **consolidating ~15 separate campaign systems into one codebase**.

#### Software Developer (Full-time) — Computer Accountant

2019 – 2020

*Malawi | Accounting & business-management software for SME clients*

- Built and shipped accounting software features for SME clients, including database-driven modules in SQL and backend web technologies.

#### Full Stack Web Developer (Full-time) — Trinitatis Tech

2018 – 2019

*Malawi | Full stack web applications for business clients*

- Developed frontend interfaces and backend APIs across multiple concurrent client projects, contributing to database design, server configuration, and deployment.

### KEY PROJECTS

## Corus 3D Platform — Flutter Rebuild | Mobile Developer

Oct 2024 – Present

via CGA Technologies UK | Client: Corus International | Flutter · Dart · Android · iOS

- Led the rebuild of a Java/Android data-capture platform in Flutter, **consolidating 2 platform-specific codebases into 1** — cutting future feature-development effort roughly in half while adding iOS support.
- Reached full feature parity with the legacy app while shipping modern UX improvements, used by field teams across multiple countries.

## Teacher Management Information System (TMIS) | Full Stack Developer

2023 – 2024

Client: Teaching Service Commission, Sierra Leone | Vue.js · Laravel · GraphQL · Docker

- Developed core features of a **national system covering 300+ schools** used daily by government administrators — including the **teacher licensing module**, built to the Commission's specifications.
- Automated ministry report generation, replacing manual compilation with on-demand reports; built real-time dashboards integrating data from multiple government sources.

## Education Sector Improvement Project | Technical Lead

2021

Client: World Bank, Malawi | PHP · JavaScript

- Directed technical delivery of a national education data-management application — including a **near-real-time monitoring app, dashboard, and the Ministry-hosted Community Dialogue Platform** — shipping new modules to production with Excel reporting.
- Trained government officers on the system, enabling the ministry to operate it without ongoing developer support.

## MERL Data-Capture Platforms (2 builds) | Android Developer

2021 – 2022

Clients: Corus International (global) · Education Development Trust (Ethiopia) | Java · Android

- Built two Android data-collection platforms for global monitoring & evaluation operations in a **4-developer team with fully peer-reviewed code**, with dynamic form schemas adaptable to diverse programme needs.
- Designed for low-connectivity field conditions — offline-first capture with reliable sync — so field teams could collect data anywhere.

## Field Sales App | Android Developer

2023

Client: Telekom Networks Malawi (TNM) | Kotlin · MVVM · Dagger Hilt · REST

- Shipped QR-scanning and analysis tooling used by **field sales agents nationwide**, with real-time backend synchronisation.

## Perivoli Early Childhood Development Data System | Lead Developer

2020 – Present

Client: Perivoli School Trust, Malawi | Node.js · Vue.js · Android

- Led full stack build of a tablet-based data system — Node.js APIs, Vue.js frontend, Android capture app — **deployed across 3 operational countries**.
- **Replaced paper-based data collection** with standardised digital forms, publishing teacher-training data to the organisation's website **in real time as it is collected**.
- Led user-acceptance testing, trained and mentored partner staff, and wrote SOPs — partner feedback drove the development of new modules.

## Gons Payment System | Software Developer

2019 – 2020

via Computer Accountant | VB.NET · Windows Forms · SQL Server · Sage 50

- Engineered a **3-level approval workflow** (submission → senior approval → director authorisation) for end-to-end payment processing.
- Automated Sage 50 integration so approved payments flow into accounting **without manual re-entry**, cutting processing errors and manual workload; added cheque printing, withholding-tax certificates, and bank-letter generation.

## SICOI Information Management System | Co-Developer

2020

Client: Sempha Investments, Malawi | ASP.NET · C# · Vue.js · SQL Server

- Co-built and **led testing** of a web-based requisitions, suppliers, and customers system that **improved record-keeping efficiency by 80%**; REST services in C#/ASP.NET with a Vue.js frontend.

## Declaration System | Co-Developer & UI/UX Designer

2020

Client: Office of Director of Public Officers Declarations, Malawi | ASP.NET MVC · C# · SQL Server

- Designed UI/UX and built system pages and SQL Server data models for a government declarations system.

## EDUCATION

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|---------------------------------------------------------------------------|------|
| Malawi Digital Empowerment Program (MDEP) — New Horizon TechnoBrain       | 2018 |
| Diploma in Information Communication Technology — New Horizon TechnoBrain | 2015 |
| MSCE — Malawi School Certificate of Education — Chinsapo Secondary School | 2014 |