Robert Kamau Njonjo

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SUMMARY

Most business software isn't hard because the code is hard. It's hard because it has to fit how an organisation actually works — its approval chains, its exceptions, and the ERP it already runs on.

That fit is my work. I build custom systems in .NET — line-of-business applications, APIs and the web portals customers and suppliers log into. Where those systems meet Microsoft Dynamics 365 Business Central, I build the integration layer too: AL extensions inside the ERP, OData and SOAP services over it, gateways in front of it.

I work across the full stack because the problems do. One feature can run from a C# domain model through an API and a React front end, down to the IIS configuration and the CI pipeline that ships it.

SKILLS

BACKEND C#, ASP.NET MVC, ASP.NET Core Web API, .NET Framework, Entity Framework, Python

FRONTEND React, TypeScript, Angular, JavaScript

ERP Dynamics 365 Business Central — AL codeunits, page & table extensions, OData v4, SOAP, API pages

ARCHITECTURE API gateways, OAuth 2.0 / OIDC, role-based access control, circuit breakers, response caching

INFRA Jenkins CI/CD, IIS (ARR, URL Rewrite, SSL), Windows Server, WinRM, Docker, Linux

DATA SQL Server, PostgreSQL

EXPERIENCE

Greencom Enterprise Solutions

JUL 2024 — PRESENT

Software Engineer

- Lead developer on the enterprise ERP ecosystem for the Judiciary of Kenya — a four-application suite covering supplier onboarding and procurement, external-entity engagement and contractor management, unified behind a central API gateway.
- Architected the migration of the supplier procurement portal from a data-replica model to a gateway API model, authoring the design covering OAuth 2.0 / OIDC authentication, role-based access control, circuit-breaker resilience, response caching and a phased delivery roadmap.
- Designed and built REST API layers over Business Central exposing ERP data to external-facing portals, with role-scoped access and multi-tier approval workflows.
- Developed and refactored Business Central AL codeunits for procurement, store requests, petty cash and staff claims — implementing idempotent upsert patterns and resolving number-series and validation defects.
- Own Jenkins CI/CD pipelines for .NET and React deployment to IIS, and SharePoint 2019 document-management deployment over WinRM.
- Administer IIS infrastructure for client-facing payment services — ARR reverse proxy, URL rewriting, SSL provisioning and DNS resolution.
- Produce architecture documentation and deliver technical training to client engineering teams.

C# · AL · ASP.NET MVC · .NET CORE · REACT · TYPESCRIPT · JENKINS · IIS · SQL SERVER

Dynasoft Business Solutions

APR 2024 — JUL 2024

System Developer — Web & Mobile

- Built cross-platform web and mobile solutions interfacing with Microsoft Dynamics 365 Business Central and NAV web services.
- Implemented Jenkins CI/CD pipelines, moving the team from weekly to daily release cadence.
- Ran peer code reviews and mentored junior developers in .NET Core and Angular.

.NET CORE · ANGULAR · DYNAMICS 365 · JENKINS

DSL Systems and Solutions

APR 2023 — APR 2024

Software Developer

- Led integration development against Business Central APIs over OData and SOAP for clients across multiple sectors, working end to end from requirements through deployment.
- Introduced Git and GitHub version control with branching and code-review standards to a team previously working without formal source control.
- Migrated a .NET API to Docker containers, resolving Business Central and Active Directory authentication under Linux hosting.

ODATA · SOAP · .NET · DOCKER · GIT

Kenya Revenue Authority

JAN 2022 — MAR 2023

Junior Software Developer

- Built, within a team of five, a data-exchange platform bridging KRA and licensed betting operators — enabling automated transaction reporting and tax assessment for the sector.
- Implemented the KRA TV feature, delivering simplified tax and customs content to taxpayers nationally.

APACHE NIFI · KAFKA · C# · LINUX