

Robbie Ribeiro.

Principal Architect & Developer

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Engagement: B2B through my consultancy, CodeStream · remote

Profile

Full-stack engineer and architect with 20+ years across the Microsoft .NET stack, contracting locally and internationally. I own systems end to end across diverse industries, from architecture and delivery through to production support. AI-first since 2025: coding agents handle scaffolding, refactoring and tests, while I own the architecture and security, and review every change before it ships.

Selected achievements

- **LISA, Inospace:** led the architecture of a greenfield lead-to-lease platform from day one. It won Proptech Innovator of the Year 2024 and now runs leasing daily at every site of South Africa's largest last-mile logistics and storage company.
- **DigitalTwin:** co-founded and architected a multi-tenant IoT SaaS platform for live asset tracking, acquired by a partner in 2022; led the full technical handover.
- **Nigerian Payroll Platform:** sole architect of a custom replacement for a retiring payroll system after off-the-shelf products failed to fit. Event-sourced, encrypted at field level and multi-tenant by design so the client can resell it as SaaS; now in pilot.

Skills

Back end: C# · .NET / ASP.NET Core · REST APIs · CQRS · event sourcing (Marten, Wolverine) · microservices

Front end: TypeScript · JavaScript · Angular · React · React Native · Next.js · Tailwind CSS

Cloud & DevOps: Azure (Functions, Service Bus, Data Factory) · AWS (EKS, RDS, SQS) · Terraform · Docker · CI/CD

Data: SQL Server / Azure SQL · PostgreSQL · Azure Cosmos DB

Architecture: multi-tenant SaaS · event-driven systems · Clean Architecture · TDD · team mentorship

AI-assisted delivery: agentic coding workflows · AI code review, refactoring and test generation

Experience

Principal Architect & Developer | Fluently IT (Nigerian Payroll Platform)

Remote | Payroll and HR compliance

Feb 2026 – Present

- Sole architect and developer of a multi-tenant payroll platform, now in pilot: PAYE, statutory deductions, payslips and compliance reports
- Built an event-sourced .NET API on the Critter Stack (Wolverine and Marten on PostgreSQL)
- Implemented Nigerian statutory rules: PAYE, pension, NHF, NHIS, NSITF and ITF
- Built the Next.js web app, including an employee self-service portal
- Met GDPR and NDPA requirements: field-level encryption, audit logging and data retention
- Run AWS deployments (EKS, RDS, KMS) with Terraform; own releases and client support

Stack: Critter Stack · Wolverine · Marten · Event Sourcing · .NET · PostgreSQL · Next.js · AWS

Principal Architect & Developer | Fluently IT (LISA for Inospace)

Remote | Proptech, storage and logistics leasing

Jun 2025 – Present

- Own the technical roadmap and architecture of LISA, now running leasing daily at every Inospace site
- Act as sole technical point of contact for an actively used production system
- Extend the C# REST API and its custom dynamic-field design
- Maintain the CQRS implementation and AWS SQS-driven microservices
- Apply agentic AI tooling to accelerate delivery without trading away code quality

Stack: **C# · ASP.NET Core · CQRS · PostgreSQL · AWS SQS · React · Agentic AI tooling**

Senior Lead .NET Developer | Fluently IT (LISA for Inospace)

Remote | Proptech, storage and logistics leasing

Mar 2023 – Jun 2025

- Led architecture and design of LISA, a greenfield multi-tenant lead-to-lease platform for Inospace, named Proptech Innovator of the Year 2024
- Built the C# REST API behind a custom dynamic-field design
- Applied CQRS to separate read and write paths
- Decoupled and scaled services with AWS SQS

Stack: **C# · .NET Core · CQRS · PostgreSQL · AWS SQS · Auth0**

Senior Full-Stack Developer | Clifford Chance (Partnership Services)

Contract | Remote | Legal, global partner remuneration

Dec 2021 – Sep 2022

- Modernised a global partner remuneration platform spanning multiple tax jurisdictions
- Migrated the front end to Angular 14 and re-architected the C# API to .NET 6
- Built new modules and hardened the existing codebase
- Extended unit and integration test coverage

Stack: **Angular 14 · C# · .NET 6 · CQRS · MS SQL · TDD**

Senior C# Developer | DVT for Kantar (QA Automation Platform)

Contract | Remote | Market research

Nov 2021 – Dec 2021

- Built the API powering the Kantar QA automation platform's React front end
- Delivered to a tight timeline using test-driven development throughout

Stack: **C# · CQRS · Azure SQL · TDD**

Partner & Software Developer | CodeStream

South Africa (remote) | Software consultancy and own products

Mar 2017 – Present

- DigitalTwin (2020–2022): co-founder, architect and lead developer of a multi-tenant IoT SaaS platform for live BLE asset tracking; acquired by a partner in 2022
- Designed and ran CI/CD pipelines from Azure DevOps through to Azure PaaS
- Own products (2024–2025): Cosplay Platform (contest entry, judging and results for fan conventions) and ContractorPro (leads, quotes, job cards and invoices for contractors)

Stack: **C# · ASP.NET Core · CQRS · Azure Functions · Service Bus · SignalR · Azure SQL · Angular · React Native · Cosmos DB · Marten · Wolverine · TDD**

Senior Software Developer | The SPAR Group (Vendor Master Data, Central DataLake)

Contract | South Africa (hybrid) | Retail

Mar 2017 – Jan 2022

- Led development of SPAR's central DataLake reporting database
- Migrated reporting systems to Azure using Data Factory and Synapse
- Built the vendor master data management user interface

Stack: **Azure PaaS · Azure SQL · Azure Data Factory · Azure Synapse · Angular · C#**

Senior Software Developer | SMEasy (Business Management & Accounting)

South Africa (on-site) | Online accounting SaaS for small businesses

Jan 2012 – Mar 2017

- Senior developer at a FinTech start-up, building new modules for a SaaS product for small businesses

Stack: **C# · ASP.NET · SQL Server · Azure**

Earlier career: The Development House (2010–2012) · Eternal Digital Solutions, owner (2007–2010) · Khanyisa Computer Systems (2001–2006)

Qualifications

Comprehensive Programming Diploma · 2001