Inayathullah Ameerjohn

Senior Software Engineer | Senior .NET Engineer | .NET Developer | Azure Engineer | Technical Lead

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Professional Summary

Senior Software Engineer with 15+ years of experience designing and delivering scalable, resilient cloud-native applications using .NET and Azure. Led high-impact initiatives including Capital On Tap's **£1M multi-product decision system** and Landmark Information Group's **£10M mapping data platform**.

Deep expertise in microservices, CQRS, DDD, and event-driven architectures across FinTech, Risk, Compliance, and PropTech domains. Trusted technical leader driving architecture decisions, engineering best practices (TDD/BDD), and stakeholder collaboration to deliver reliable, business-critical systems.

Technical Skills

Architecture & Design
RESTful APIs, Microservices, Event Driven Architecture, Service Oriented Architecture (SOA), CQRS, Domain Driven Design, Webhooks, SOLID, SQL and NoSQL, GRPC

Cloud & Infrastructure
Azure Storage , Azure Service Bus, Azure Event Hubs, Azure Functions, Redis, Azure Key Vault, Docker, Kubernetes, MassTransit, RabbitMQ

Backend & Core Stack
C#, .NET 8/9/10, ASP.NET Core, Entity Framework Core, Dapper, SignalR

DevOps & CI/CD
Azure DevOps, Git, TeamCity, Octopus Deploy, Bitbucket, Bamboo

Data & Storage
SQL Server, MongoDB, PostgreSQL, CosmosDB

Testing & Quality
xUnit, NUnit, Moq, WireMock, TDD/BDD, Reqnroll

Observability & Performance
OpenTelemetry, dotTrace, MiniProfiler, distributed tracing, performance tuning

Security
OpenID Connect, OAuth 2.0, JWT, API security

Leadership
Technical mentorship, cross-functional collaboration, architecture, stakeholder management

Fontend
React, Vue.js, Javascript, TypeScript, HTML, CSS

AI Workflow
Experience with AI driven development using Claude and Codex.

Work Experience

Senior Software Engineer | CapitalOnTap | London Feb 2018 – Present

- **Owned architecture and technical strategy** for multi-product decision platforms supporting underwriting, fraud, and compliance workflows.
- Designed and built Azure-native microservices powering real-time underwriting and compliance workflows.
- Led integrating with 15+ third-party data providers (fraud, credit, compliance) using provider-agnostic patterns and secure authentication (BasicAuth, JWT, API Keys) via Azure Key Vault.
- Drove underwriting platform modernization from monolith to Azure-native microservices, improving deployment frequency and system resilience.
- Established observability-first practices with OpenTelemetry that improved incident detection and resolution times.
- Championed engineering excellence through technical knowledge-sharing sessions, code reviews, documentation standards, and mentorship of junior engineers, fostering a culture of continuous improvement.

Synthetic Decision Engine

- **Owned end-to-end architecture and delivery** of a high-throughput, event-driven decision engine (.NET, Azure Service Bus) enabling cross-sell from legacy credit products to multi-product features for 250K+ customers.
- Implemented resilient retry, recovery, and outbox patterns to ensure zero data loss during real-time and back-book processing.
- Established observability and testing standards using OpenTelemetry and Datadog, increasing production reliability and enabling safe, frequent releases.

Multi Product Decision Engine

- **Owned architecture and delivery** of multi-product underwriting platforms built on .NET and Azure Service Bus, supporting decisioning across UK and US markets.
- Defined system architecture and engineering standards, designing extensible rule engines and event-driven workflows to enable rapid product expansion and regulatory change.
- Scaled the platform to process **10K+ daily decisions and 5M+ legacy records**, improving performance, reliability, and release confidence.

Underwriting Data Integration Platform

- Led the design and delivery of a provider-agnostic REST API hub aggregating 15+ third-party data sources into a unified underwriting data layer.
- Built a scalable ingestion layer to normalize unstructured data (JSON, XML, TXT) into a consistent underwriting data model while supporting 10000+ daily requests with sub-250ms latency through efficient API design and caching.
- Integrated providers using multiple authentication mechanisms (BasicAuth, API Keys, JWT)**,** with secrets securely managed via Azure Key Vault.

Fraud & Compliance Screening Platform

- Led the design and delivery of a real-time fraud and compliance screening engine, integrating multiple third-party data providers and global watchlists to screen PEP, sanctions, and KYC requirements.
- Built an event-driven automation platform that reduced manual compliance effort by **90%** while scaling real-time screening.

- Led cross-functional collaboration with fraud, risk, and compliance stakeholders, translating regulatory requirements into scalable technical strategy.

Technologies: .NET 8/9, C#, ASP.NET Core, Azure Service Bus, Azure SQL Server, MongoDB, Redis, Docker, Kubernetes, OpenTelemetry, DataDog, MassTransit, Entity Framework Core, Azure Storage, React, TypeScript

Technology Specialist | UST Global | London Apr 2015 – Jan 2018

Client: Landmark Information Group

- **Owned modernization strategy and architecture for a £10M geospatial platform**, leading migration from legacy systems to cloud-native, browser-based architecture for a UK-leading conveyancing and housing data provider.
- Collaborated with stakeholders and business analysts to modernise the legacy platform to modern multi browser platform.
- Developed reusable JavaScript library extending OpenLayers for vector drawing and environmental risk visualization. The re-usable javascript library helped Landmark Information group to modernise the platforms to support 10000+ users across multiple products.
- Designed a scalable mapping export engine using Azure Functions, capable of rendering outputs at scales from 1:500 to 1:10,000 with 70% faster processing than legacy systems.
- Set technical standards and reusable components adopted across multiple product teams.

Technologies: ASP.NET, .NET Core, Azure Functions, Service Bus, SQL Azure, MongoDB, JavaScript, HTML, CSS, Bootstrap, AngularJS, Openlayers, Octopus, Bamboo

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Senior Systems Analyst | UST Global | India Feb 2010 - Apr 2015

- Delivered and modernised enterprise web applications using ASP.NET, C#, MVC, and Entity Framework, Microsoft Azure.
- Supported migration of legacy systems to Azure-based architectures, improving reliability and maintainability.
- Mentored junior developers and promoted coding standards through peer reviews.

Senior Software Engineer | PetroNet Smart Network | Kuwait Aug 2004 - Jan 2010

- Developed and maintained core .NET enterprise applications supporting smart-card network operations and internal management systems.

Education

Master of Computer Applications (MCA) — Bharathidasan University, India | 2002
First Class | UK Master's Degree Equivalent

Bachelor of Computer Science — Bharathidasan University, India | 1999
First Class with Distinction | UK Bachelor's Degree (Honours) Equivalent