

Daniel I. Onyeani-Nwosu

(226) 506-8940 | dan.onyeani@gmail.com

[LinkedIn](#) | [Github](#) | [Portfolio](#)

Professional Summary

Innovative and results-driven Senior Software Engineer with 8+ years of experience in .NET development, Azure middleware, enterprise integration, and cloud-native systems across startups, fintech, automotive, real estate industries and physical access control. Proven expertise in C#, .NET Core, Node.js, REST/OData APIs, microservices, and Azure integration services including Logic Apps, Function Apps, Data Factory, API Management, Service Bus, Event Grid, Event Hub, and Azure Search. Adept at designing synchronous and asynchronous integrations, data transformation pipelines, cloud modernization, observability, CI/CD, and resilient distributed systems aligned with business goals.

Qualifications

- 8+ years of work experience as a **FullStack Software Engineer** with Startups, Fintechs, Automotive, Real estate, and Physical security
- 8+ years experience with **C#, .NET, .NET Core** and 7 years with **Node.js (TypeScript)**
- 8+ Strong Azure middleware and enterprise integration experience with Logic Apps, Function Apps, Durable Functions, Data Factory, API Management, Service Bus, Event Grid, Event Hub, OData, REST/SOAP APIs
- 7+ years experience leveraging Azure including **App Services, Functions, Key Vault, Azure SQL, Cosmos DB, Blob/Table Storage, Azure Search, ACR and AKS**
- Experience designing synchronous and asynchronous integration patterns, batch APIs, ETL/data transformation pipelines, and event-driven workflows
- 6+ years experience designing **CI/CD Pipelines** with **Jenkins, AzureDevOps** and **GitHub Actions** implementing **YAML pipelines, gated PRs, templates** and **artifact promotion**
- 4+ years experience with **Infrastructure as Code; ARM, Bicep and Terraform**
- 8 years experience with **Testing & Quality; TDD/BDD, unit/integration tests (Jest, XUnit, NUnit, TUnit), code analysis tools (SonarQube, Klocwork, Fine Code Coverage extension)**
- 7+ years experience authenticating & improving **application security** using **OAuth2, OIDC, TLS, Key Vault and secure service integration practices**
- 6+ years experience enabling telemetry and production troubleshooting using **Azure Monitor, Application Insights, Log Analytics, Serilog and Grafana**
- 6+ years experience in working on **cross-cutting platform teams or enablement initiatives**
- 8+ years of experience **communicating** technical designs to architects, product owners, other developers and other stakeholders
- 6+ years experience with **Team Contribution efforts**: Mentorship, architecture input and platform enablement
- Experienced in SQL/T-SQL optimization, database migration, Azure SQL, PostgreSQL, MongoDB and NoSQL data model design
- 8+ years communicating technical designs and integration requirements with architects, product owners, QA, developers and business stakeholders
- Experienced in leveraging AI-assisted tools across development, architecture, testing and DevOps using **Claude Code, ChatGPT and GitHub Co-Pilot**
- Proficient in addressing intricate issues through strategic thinking, all while aligning with high-level design patterns to achieve defined objectives.
- Explore my portfolio showcasing diverse projects : [Portfolio](#)

Technical Skills

- **Programming Languages and Libraries:** C#, .NET Core/Framework, Node.js, React, Typescript, Angular, Python, Java, C++, Shell Scripting, HTML5, CSS3, C/C++, Javascript, Android SDK
- **Azure Integration & Middleware:** Logic Apps, Azure Functions, Durable Functions, Data Factory, API Management, Service Bus, Event Grid, Event Hub, OData, REST/SOAP APIs
- **Cloud:** Azure (Functions, AKS, App Services, Service Bus, Event Hub, Key Vault, CosmosDB, Blob Storage), AWS, GCP
- **Project Management Tools:** SDLC, **Scrum, Agile**, Iterative, Waterfall, **JIRA, Trello**, Slack, Zoho Project
- **Database Systems:** MS SQL, Azure SQL, PostgreSQL, MongoDB, MySQL, GraphQL
- **Version Control:** **GIT**, SVN, GitHub, Bitbucket, SourceTree
- **Operating Systems:** Windows, **Unix and Linux**
- **Prototyping Tools:** Figma, InVision, Proto, Sketch, LucidChart
- **Testing Automation:** Jest, NUnit, XUnit, Pytest; SonarQube
- **CI/CD:** Azure DevOps(Releases,Pipelines, Repos, Boards), Jenkins, GitHub Actions

Related Experience

Software Engineer - Core Integration

Feb 2026 - Present

ACRE Security, Ottawa, Ontario

Project Type: AWS Services, System Design, Web API, Distributed Systems

Language and Technology: C#, .NET, Python, Flutter, React, MongoDB, SQL, RabbitMQ, Redis, MQTT, TLS, AWS EC2, Linux, WebSockets

- Contributing to AcreBridge, a large-scale enterprise integration platform bridging legacy on-premise access control systems with modern cloud-based physical security platforms
- Designed and developed high-throughput distributed event processing system handling 10,000+ daily security events across multi-tenant cloud infrastructure with sub-500ms latency SLAs
- Designing distributed backend services and REST APIs supporting real-time communication between IoT devices, access control hardware, and cloud-connected enterprise systems
- Improved system latency by 18% through Redis caching optimization and service refactoring, reducing operational costs and improving customer experience metrics
- Participating in architecture discussions focused on fault tolerance, secure communication, and distributed system reliability

Software Engineer - Data Distribution Team

October 2024 - October 2025

Canadian Real Estate Association (CREA), Ottawa, Ontario

Project Type: Azure Cloud Services, Azure DevOps, System Design, Web API, Database Management.

Language and Technology: C#, .NET Core, Copilot, React, Python, Typescript, SQL, MongoDB, PostgreSQL, Azure DevOps, Azure Cloud, LucidChart, GitHub, OData

- Designed and supported Azure middleware solutions using Logic Apps, Function Apps, Data Factory, API Management, Service Bus and Event Grid to transform and move data across enterprise systems
- Designed and implemented a scalable Data Purge Service using Azure Durable Function Orchestration to automatically identify and purge stale housing data exceeding retention policies, reducing storage costs by 65% and ensuring compliance and data hygiene
- Led migration of .NET services from .NET 6 to .NET 8, improving scalability and reducing response time by 20%
- Implemented REST/OData APIs, batch-oriented data workflows and Azure Search capabilities for reliable data distribution and search experiences
- Instituted Test-Driven Development (TDD) practices across engineering squads by hosting

workshops, creating templates, and coaching teams on test-first methodologies

- Introduced quality gates and coverage thresholds in Azure DevOps pipelines, raising the team's testing standards and ensuring consistently higher quality releases to users
- Designed detailed technical specifications and system architecture diagrams for Azure Functions and microservices, ensuring alignment with enterprise standards and scalability goals
- Contributed to Azure DevOps CI/CD, ACR container workflows, automated testing, quality gates, technical specifications and architecture diagrams
- Reviewed and enforced coding standards across multiple teams, delivering constructive and actionable feedback to uphold quality, improve readability, and align with engineering best practices

Senior Software Engineer - AutoSync Platform Team

January 2024 - May 2024

AutoTrader, Toronto, Ontario

Project Type: Web Development, API Development and Integration, Database Management, System Design and Architecture

Language and Technology: C# .NET, .NET Core, Angular, Typescript, SQL, MongoDB, PostgreSQL, Azure Cloud, GitHub, Figma

- Architected scalable integration solutions supporting vehicle inventory, pricing, search and marketplace systems
- Implemented advanced synchronization features that improved data accuracy and reduced latency
- Leveraged MongoDB for storing and querying semi-structured vehicle and search metadata, improving performance for dynamic filtering and high-throughput read scenarios
- Designed Azure middleware workflows connecting internal services and external data providers using Logic Apps, API Management, Service Bus and Event Grid
- Leveraged Azure Search for application search scenarios and Azure Monitor/Log Analytics for troubleshooting and operational monitoring
- Unified vehicle inventory and pricing data fetch to improve accuracy across all platforms and increased fetch speed by 30%
- Maintained Azure DevOps CI/CD pipelines and ACR-based container workflows while contributing domain knowledge, technical documentation and architecture guidance

Senior Software Engineer - OEM Integrations Team

January 2023 - January 2024

AutoTrader, Toronto, Ontario

Project Type: Web Development, API Development and Integration, Database Management, System Design and Architecture

Language and Technology: C# .NET, .NET Core, Angular, Typescript, Node.js, Azure Functions, Durable Functions, Logic Apps, Data Factory, API Management, Service Bus, Event Grid, SQL, MongoDB, Azure DevOps

- Integrated third-party APIs and enterprise systems supporting OEM inventory and marketplace workflows
- Designed ETL-style data processing and transformation pipelines using .NET, Azure Functions, Logic Apps and Data Factory for large-scale vehicle inventory synchronization
- Applied API Management, Service Bus, Event Grid and asynchronous integration patterns to improve resiliency and decouple workflows
- Optimized Durable Functions and parallel processing to increase service uptime by 70%
- Implemented SQL indexing and query optimization to improve reporting response times by 30%, and designed MongoDB models for analytics and event-driven workflows
- Developed reusable CI/CD templates in Azure DevOps to standardize build and release workflows across teams, reducing configuration overhead and ensuring compliance with organizational policies
- Creating comprehensive technical documentation to simplify onboarding and knowledge sharing
- Creating tech debt tickets and identifying technological optimizations needed to ensure long-term health of features and business initiatives.

Software Engineer - *Digital Retail Team*

January 2022 - December 2022

AutoTrader, Toronto, Ontario

Project Type: Web Development, UI/UX Implementation, API Development, Database Management, Application Support

Language and Technology: C# .NET, ASP NET MVC, Razor Script, Angular, Typescript, Nodejs, PostgreSQL, Html, CSS, JavaScript , SEO, Azure Cloud, Git, Bitbucket, Invision

- Performed root cause analysis on production errors, identified corrective actions and collaborated with engineering teams to resolve issues.
- Enhanced data security using secure third-party API proxying to protect consumer information.
- Led onboarding of 12+ engineers and mentored junior developers while delivering customer-facing features.
- Implemented SEO improvements that increased marketplace page rankings by 61%.

Software Engineer - *Marketplace Team*

June 2021 - December 2021

AutoTrader, Toronto, Ontario

Project Type: Web Development, UI/UX Implementation, API Development, Database Management, Application Support

Language and Technology: C# .NET, ASP NET MVC, Razor Script, Angular, Typescript, Nodejs, PostgreSQL, Html, CSS, JavaScript , SEO, Azure Cloud, Git, Bitbucket, Invision

- Performed root cause analysis on system errors, identifying corrective action and liaising with engineering team members to resolve issues
- Mentored and guided junior engineers in designing and developing several features to drive business initiatives
- Performed frontend and backend code reviews, maintained CI/CD pipelines and collaborated with stakeholders across the organization

Full Stack Software Developer

Nov 2020 - May 2021

CogniLore, Gatineau, Quebec

Project Type: Web Development, UI/UX Design, API Development, Database Management, Application Support

Language and Technology: C#, .NET, CSS, ReactJs, Typescript, Nodejs, MSSQL, EntityFramework, XML, JSON, HG Tortoise, Figma

- Developed new features for already existing products
- Designed UI/UX for new Admin Dashboard and Client Reader Platform
- Developed and Design SOAP/RestFul APIs (microservices)
- Developed and Managed Databases

Security / Safety Development

Jan 2020 - Aug 2020

BlackBerry QNX, Ottawa, Ontario

Project Type: Test Automation, Process management, OS services, Key libraries and File systems

Language and Technology: C/C++, Python, PyTest, Jenkins, Groovy, XML, JSON, SVN, Gitlab

- Designed, implemented, and integrated C/C++ unit tests for core QNX OS components, including microkernel services, key system libraries, and file system modules, ensuring reliability in safety-critical environments.
- Worked hands-on with low-level OS internals, diagnosing and resolving defects that directly impacted system safety, memory integrity, performance, and security compliance
- Analyzed crash logs, memory dumps, and inter-process communication (IPC) traces to identify root causes of kernel and library failures, implementing robust C/C++ fixes and regression tests
- Supported hardware to software integration by debugging interactions between application-layer components and QNX OS services, ensuring system stability and real-time performance
- Worked on QNX-based embedded systems, collaborating with hardware and firmware teams to integrate software components with underlying hardware interfaces and system services
- Developed automated test suites using Python, PyTest, and internal QNX frameworks to validate OS behaviour across multiple hardware targets and configurations
- Designed and maintained Jenkins CI/CD pipelines (Groovy) to orchestrate build, test, and deployment workflows for

new OS features, reducing feedback cycles and improving build reliability

- Collaborated with senior OS architects, kernel engineers, and QA teams to ensure all changes adhered to functional safety standards and passed strict code reviews for embedded systems
- Contributed to configuration and validation of QNX services via XML/JSON, and managed code contributions using SVN and GitLab in a highly regulated development environment

Software Engineer

Feb 2018 - November 2018

Appzone, Lagos, Nigeria

Project Type: Cloud-based, Web, Mobile, API, Microservices

Language and Technology: C#, REST API, SQL Server, EntityFramework, Node.js, React.js, HTML, XML, MongoDB, JSON, CSS, Javascript, Azure

- Developed and enhanced cloud-based internet banking solutions for financial institutions using the company's cloud framework
- Worked closely with clients and stakeholders to understand requirements and deliver tailored solutions
- Designed Azure integration workflows using Logic Apps, Data Factory and Event Grid to support data movement, transformation and system-to-system integration
- Implemented data access layers and indexing strategies in MongoDB to support high-volume reads while maintaining compliance and data integrity boundaries
- Collaborated and communicated effectively with stakeholders throughout the organization
- Worked closely with testers to ensure quality of products delivered
- Participated and contributed to code reviews, demos, and sprint planning sessions according to Agile best practices.
- Decomposed requirements into system and software functional designs.
- Recognized by CEO for estimated return on investment of the internet banking product delivered

System Integrator and Application Support

Sept 2016 - Feb 2018

Appzone, Lagos, Nigeria

Language and Technology: C#, .NET, REST API, SQL Server, EntityFramework, Node.js, Logic Apps, Data Factory, Event Grid, MongoDB, Azure

- Provided client support, both remotely and in person, to troubleshoot and resolve all technical problems including database, code, operating system, web-server, integration, networking and hardware issues
- Performed deployment, configuration, integration testing and data migration activities.
- Acted as a reliable interface between client system integration and business teams during implementation, maintenance and support

Education

Master of Applied Computing - University of Windsor, Windsor, Ontario

Bachelor of Science, Computer Information Systems - Babcock University, Ilishan-Remo, Ogun State, Nigeria

Certifications

AZ-305 (Azure Solutions Architect)

In Progress / Exam Planned

AWS Foundations

University Of Windsor

Applied Machine Learning using Python

University Of Windsor

SCRUM Workshop

University Of Windsor

IBM Cloud Essentials

CognitiveClass.ai