

## DAMIOLA ADEKOYA

Software Engineer | <https://damilolaadekoya.com>

(+1) 437-868-1394 | dharmykoya38@gmail.com | <https://github.com/dharmykoya> |

<https://www.linkedin.com/in/damilola-adekoya-solomon/>

Dear Hiring Manager,

I'm excited to apply for the Web Developer position. With over eight years of experience building scalable enterprise applications using technologies like C#, .NET 6+, PHP, React, TypeScript, AWS, and Azure. I'm confident in my ability to deliver scalable, secure, and maintainable solutions that align with your mission.

Here's how my experience aligns with your needs:

**.NET & C# Expertise:** Developed complex backend systems using ASP.NET Core, Entity Framework, and LINQ. Leveraged asynchronous programming and dependency injection to deliver modular, testable services. Designed microservices architectures with gRPC/REST APIs and message brokers (RabbitMQ, Azure Service Bus, Kafka) for distributed communication. Improved performance through advanced Entity Framework techniques (compiled queries, batching, raw SQL) and caching strategies with Redis and in-memory providers. Applied Clean Architecture and Domain-Driven Design (DDD) principles to ensure maintainability and scalability. Implemented enterprise-grade authentication and authorization using OAuth2, OpenID Connect, JWT, and Azure AD. Integrated observability with Serilog, Application Insights, and OpenTelemetry for distributed tracing and monitoring. Deployed and scaled .NET applications in Azure, Docker, and Kubernetes environments while maintaining CI/CD pipelines in GitHub Actions and Azure DevOps.

**NodeJs, ExpressJs & NestJs:** Experience building RESTful API services that are easy to maintain and scale. Worked with microservices by breaking features into smaller services, using caching to speed things up, and queues to handle background jobs for async tasks. Also experienced in writing optimised database queries to improve performance and reduce load.

**SQL & NoSQL Database Mastery:** Designed normalised schemas and optimised queries in SQL Server, MySQL, and PostgreSQL, reducing query times by up to 40%. Also have experience working with NoSQL databases like MongoDB and Azure Cosmos DB for high-throughput, flexible data storage for real-time and analytics-based features.

**Frontend with React, VueJs & NextJs:** Built responsive, accessible UIs using React, TypeScript, and modern hooks architecture. Implemented state management with Redux Toolkit and integrated RESTful APIs with robust error handling and optimistic UI updates.

**React & TypeScript Mastery:** Built dynamic, reusable UI components using React and TypeScript, following the hooks and context API pattern for scalable state management. I've used Redux Toolkit,

Zustand, TanStack Query, and React Router to build complex frontends with seamless API integration, optimistic updates, and robust error handling.

**API Integration Expertise:** Integrated GraphQL and REST APIs with pagination, real-time updates via WebSockets, and retry strategies using Axios/React Query. Handled auth workflows, form validations (Formik + Yup), and fine-tuned UX around loading and error states.

**Cloud & DevOps on Azure:** Deployed microservices to Azure App Services and AKS. Built CI/CD pipelines using GitHub Actions and Azure DevOps, cutting deployment time. Used Azure Monitor and Application Insights for performance tracking and diagnostics.

**Security & Testing:** Experience implementing OAuth2, Azure AD, and role-based access control. Achieved 95%+ test coverage across core modules using xUnit and Jest for unit and integration testing.

Beyond technical skills, I thrive in collaborative environments:

- I conduct thorough code reviews focused on performance, readability, and security—helping eliminate production issues before deployment.
- I mentor junior developers on SOLID principles, clean architecture, and best practices across .NET, PHP, and frontend frameworks like React.
- I document APIs using Swagger/OpenAPI and maintain clear system architecture documentation to support smooth onboarding and cross-functional collaboration.

My full-stack expertise in .NET, C# , PHP, Python, React, Vue, AWS and Azure, along with a strong foundation in both SQL and NoSQL data management, aligns well with your vision of building practical, high-impact software. You can explore my portfolio at:

[https://docs.google.com/document/d/1gmGPsmplKH6vZv\\_7wqqBrMH7gINczpdoY1WeVenFI/edit?tab=t0](https://docs.google.com/document/d/1gmGPsmplKH6vZv_7wqqBrMH7gINczpdoY1WeVenFI/edit?tab=t0).

## Pet Projects

### 1. CRM Tool

**Link:** <https://appstart-crm.azurewebsites.net/>

**Demo Credentials:**

**Email:** admin@outlook.com

**Password:** Pa55w@rd

**Description:** A CRM system for managing association members, including features for member tracking, document uploads, and interaction notes.

**Tech Stack:** C#, .NET MVC, SQLite, Azure (hosting), HTML, bootstrap.

### 2. Food Sharing Platform

**Link:** <https://foodfestin.azurewebsites.net>

Demo Credentials:

**Email:** super@outlook.com

**Password:** Pa55w@rd

**Description:** A community-driven app for food sharing, with an admin panel for management.

Tech Stack: C#, .NET MVC, SQLite, Azure (hosting), HTML, bootstrap.

Thank you for your time and consideration. I look forward to the opportunity to discuss how my skills and experience can contribute to the success of your team.

Warm Regards,

**Damilola Adekoya**