DANIEL EMEHINOLA
INTERMEDIATE SOFTWARE ENGINEER

Professional Summary

Innovative and results driven Software Engineer with 5+ years of experience architecting, developing, and scaling cloud-native applications and SaaS platforms. Specialized in Full Stack development using .NET, React, and Node.js across enterprise, startup, and public sector environments. Proven leader in building distributed systems, designing secure APIs, implementing CI/CD pipelines, and leading cross-functional teams through agile product development lifecycles. Adept at aligning engineering initiatives with business goals, mentoring junior developers, and integrating modern DevOps and AI enhanced workflows to drive measurable outcomes.

Core Competencies

- Backend: ASP.NET Core, Node.js, Express, REST/GraphQL APIs, SignalR, gRPC, Azure Functions
- Frontend: React, Next.js (App Router), Blazor (Server & WebAssembly), TypeScript, Tailwind, Bootstrap
- Cloud & DevOps: Azure (App Services, AD, Key Vault, Redis), Azure DevOps Pipelines, Docker, GitHub Actions
- Databases: PostgreSQL, SQL Server, MongoDB, Oracle, EF Core, Prisma ORM
- Security: OAuth2, OpenID Connect, Azure AD B2C, Role-based Access Control, Key Rotation, Secrets Management
- Tooling: Power Platform (PowerApps, Power Automate, Power BI), ServiceNow, Git, Postman, Swagger, Linux
- Practices: Clean Architecture, DDD, TDD, CI/CD, Agile/Scrum, Monitoring (App Insights, Serilog), Observability
- Soft Skills: Technical Mentorship, Requirements Gathering, Stakeholder Collaboration, Leadership, Documentation

Professional Experience

Intermediate Software Engineer
Transport Canada   September 2024 – Present
Responsibilities:
- Spearheaded the design of scalable, secure APIs using ASP.NET Core Web API with API versioning, Swagger documentation, and OAuth2 authentication via Azure AD.
- Delivered high performance Blazor Server applications with SignalR and advanced JavaScript interop, modernizing legacy workflows with real-time UI updates.
- Enhanced application security by centralizing secrets and credentials in Azure Key Vault and implementing Managed Identity integration and policy-based authorization.
- Boosted system performance by incorporating Redis based distributed caching and intelligent cache invalidation strategies.
- Built and maintained robust CI/CD pipelines with Azure DevOps, integrating gated builds, automated tests, artifact promotion, and multi-environment deployments.

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Software Engineer

SaskPower   April 2024 – September 2024

Responsibilities:

- Automated critical SCADA operations including monitoring, backups, and data pipelines via shell scripting and cron jobs.
- Refactored complex SQL queries in Oracle DB, resulting in a 60% improvement in data access latency for real-time systems.
- Modernized the control interface of SCADA systems, improving operational visibility and reducing error rates during live operations.
- Provided Tier 2 technical support for database and Linux based infrastructure incidents, ensuring 99.9% uptime for industrial systems.

Software Engineer

ISM Canada   November 2021 – February 2024

Responsibilities:

- Delivered enterprise grade Dynamics 365 CRM customizations, including C# plugins, business rules, PCF components, and model driven apps.
- Engineered scalable Power Apps solutions integrated with Azure Service Bus, Dataverse, and SharePoint, streamlining cross-departmental workflows.
- Created Power Automate flows handling millions of records, with scoped error handling, concurrency control, and parallel execution patterns.
- Developed multi source Power BI dashboards with row level security and scheduled refreshes, enabling real-time executive reporting.
- Designed and maintained .NET based microservices and APIs with role-based authorization, CQRS patterns, and advanced EF Core optimizations.

Key Impact: Enabled automated business workflows that reduced manual overhead by 75% and boosted data visibility across the enterprise.

Notable Projects

SaskFund Eligibility Checker
- Designed loan eligibility app using Next.js, Prisma ORM, and PostgreSQL.
- Deployed as a client facing decision support tool.

SaskTenders Intelligence App
- Created Node.js based web scraper to extract procurement data.
- Provided stakeholders with enriched insights and alerting for new tenders.

RBC & FOREX App Modernization
- Migrated legacy Lotus Notes app to a modern Power Platform solution.
- Delivered 2 production-ready Canvas apps with Power BI dashboards and SharePoint integration.

NewTrack CRM System

Built for 3 client organizations serving new immigrants and volunteers.

- Customized Dynamics 365 CRM with Power Apps, Power Automate, Power Pages, Customer Voice, and Sales modules.
- Developed complex workflows and data integrations using Organization Service and Power Platform connectors.
- Built JavaScript based Web API enhancements and led Power Platform governance and administration.

Client Feedback App

- ASP.NET Core MVC application supporting secure client feedback collection.
- Implemented user authentication and developed responsive frontend UI.
- Delivered long term support and feature enhancements post deployment.

Payment Analytics Tool

- Developed for Credit Union client to analyse transaction trends.
- Extended ASP.NET Core MVC functionality with modular report generation and dashboard integration.
- Delivered monthly updates and bug fixes, maintaining high client satisfaction.

Education

Master's degree, Electronic Systems Engineering

University of Regina

Bachelor's degree, Electrical and Electronics Engineering

Federal University of Technology Akure