

Md Atiqul Islam

Lead Azure Cloud Engineer | Senior Full Stack Software Engineer

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Profile

Senior Full Stack Software Engineer with 18 years building enterprise SaaS platforms, including 5+ years architecting multi-tenant fleet management systems on Azure. Deep expertise in .NET/C#, ASP.NET Core, and TypeScript/React across full-stack development. Proven track record designing distributed systems using CQRS, event-driven messaging, and microservices at scale (1M+ monthly transactions, 99.95% uptime). Passionate about transportation safety and efficiency — direct experience building DOT inspection platforms and fleet SaaS products. Seeking to drive greenfield development and level up engineering teams in a mission-driven organization.

Skills

Backend & Architecture	Frontend & Full Stack	Cloud & DevOps	Data & Observability
C#, .NET 8/Core, ASP.NET Core	TypeScript, React, Redux	Azure Container Apps, AKS	Azure Monitor, App Insights
GraphQL, HotChocolate, REST APIs	Angular, Module Federation	Functions, Logic Apps, Batch	OpenTelemetry, Grafana, ELK
CQRS, Event-Driven, MediatR	TailwindCSS, SPA, PWA	Bicep, Terraform, ARM Templates	Prometheus, New Relic
Service Bus, Event Grid	Electron.js, Cordova, WebRTC	Azure DevOps, GitFlow, CI/CD	Kibana, Distributed Tracing
RabbitMQ, Event Hubs, Dapr	Selenium, xUnit, Moq	Docker, Kubernetes, KEDA	GDPR/HIPAA/SOC 2 Compliance
Microservices, Hexagonal	Webpack 5, Web PubSub	APIM, Front Door, Key Vault	Cosmos DB, Redis Cache

Professional Experience

Holman — Mount Laurel, NJ

Technical Lead I / Lead Solutions Architect | Jan 2025 – Present

- Architected a multi-tenant Azure fleet SaaS platform processing 1M+ monthly transactions, achieving 99.95% uptime (Azure Container Apps, Functions, App Services).
- Automated infrastructure provisioning via ARM, Bicep, PowerShell & Terraform; integrated TeamCity & Octopus Deploy to cut deployment time by 70%.

- Enforced Azure Policy, Security Center & Key Vault standards — zero compliance incidents, SOC 2 certified.
- Mentored 12 engineers on Dapr, event-driven patterns & hexagonal architecture; raised code quality metrics by 30%.
- Rolled out blue/green + canary deploys using Azure DevOps YAML pipelines and Feature Flags, reducing rollback rate by 80%.
- Monitored performance with Azure Monitor, App Insights & New Relic; optimized database to save 25% monthly spend.

Key Project: Real-Time Vehicle Import Processing Platform

- Led end-to-end architecture of a cloud-native, real-time vehicle import platform ingesting and processing 11,000+ vehicles per import with near-real-time user feedback and full observability.
- Designed an event-driven pipeline using Azure Functions (Blob Trigger) to process large inbound vehicle files from Azure Blob Storage in real time.
- Orchestrated asynchronous workflows via Azure Service Bus for scalable, fault-tolerant processing across downstream services.
- Implemented full lifecycle event auditing and traceability using Azure Event Hubs for compliance and operational analysis.
- Delivered real-time user notifications via Azure Web PubSub, powering live status updates in a React-based admin dashboard.
- Centralized business rules in a single-source-of-truth Azure Container App, ensuring consistency across all ingestion and processing flows.
- Secured all APIs using Azure API Management (APIM) — enforcing authentication policies, rate limiting, and threat protection across all platform endpoints.
- Protected the React.js admin portal using Azure Front Door — providing secure global ingress, WAF (Web Application Firewall) policies, SSL termination, and DDoS protection.
- Persisted transactional data in Azure Cosmos DB with Azure Redis Cache for high-speed state tracking across applications.
- Built a React admin portal to manage imports, monitor processing stages, and troubleshoot failures in real time.
- Integrated SendGrid (email) and Twilio (SMS) for proactive operational alerting.
- Enabled end-to-end observability via Azure Application Insights with distributed tracing, custom metrics, and alerting.

Environment: Azure Functions, Service Bus, Event Hubs, Web PubSub, Container Apps, Cosmos DB, Redis Cache, Blob Storage, APIM, Front Door, Application Insights, React, SendGrid, Twilio, .NET 8, C#

Key Project: GraphQL API Gateway for Remarketing Solutions

- Led the architecture and development of a unified GraphQL server to replace 150+ fragmented REST GET endpoints across the Holman Remarketing Solutions platform, delivering a single, flexible data retrieval interface.
- Eliminated API sprawl by consolidating all read operations into one schema-driven GraphQL API, reducing client-side over-fetching and under-fetching and simplifying frontend development workflows.
- Designed the GraphQL layer as a federation-ready aggregation service, resolving data from multiple downstream microservices and data stores through a single query surface.
- Secured the GraphQL endpoint via Azure API Management (APIM), enforcing OAuth2 authentication, query-depth limiting, rate throttling, and threat protection before requests reached the resolver layer.
- Enabled fine-grained field-level access control through GraphQL directives, ensuring consumers only retrieved data permitted by their authorization scope.
- Achieved significant reduction in network round trips, improving dashboard load times and reducing API infrastructure overhead across 100+ remarketing solutions.

Environment: GraphQL (HotChocolate), ASP.NET Core, Azure API Management (APIM), Azure Container Apps, .NET 8, C#, Azure Application Insights

Software Engineer III / Senior Software Engineer | *Jan 2024 – Dec 2024*

- Delivered 100+ remarketing solutions on Azure IaaS/PaaS (VM scale sets, VNET, API Management), driving \$5M+ in vehicle sales.
- Pioneered Dapr adoption for resilient microservices—cut inter-service latency by 40%.
- Built serverless ETL pipelines using Functions, Event Grid & Storage Queues, processing 10K events/sec.
- Led security reviews & pen tests with App Insights, RedGate ANTS & Azure Security Center; remediated 100% of high-risk findings.
- Created POCs for partner API integrations (Carfax, Cox) using Logic Apps and API Management policies.

Environment: Azure IaaS, Functions, Dapr, Event Grid, API Management, Logic Apps, .NET 6/7, Docker, Kubernetes, Site24x7

Software Engineer II | *Jan 2021 – Dec 2023*

- Crafted ASP.NET Core microservices for supply chain & fleet remarketing, deployed in Azure Container Apps with KEDA autoscaling.

- Developed micro-frontend React apps leveraging Webpack 5 Federation to share modules across mobile/desktop.
- Embedded xUnit, Moq & Selenium tests into Azure DevOps pipelines; boosted coverage from 45% to 85% in 6 months.
- Standardized IaC with Bicep modules & PowerShell DSC, unifying resource provisioning across 3 environments.
- Tuned Azure SQL & PL/SQL procedures to hit sub-200ms API response SLAs.

Environment: Azure Container Apps, KEDA, ASP.NET Core, React, Bicep, PowerShell, xUnit, Azure SQL, RabbitMQ, OpenTelemetry

Object Data, Inc — *Freehold, NJ*

Senior Software Developer | *Sep 2019 – Jan 2021*

- Spearheaded RESTful API platform for ARI Vehicle Remarketing (ASP.NET Core, EF Core, IdentityServer4, Oracle PL/SQL).
- Built real-time supply chain dashboards with React, WebSockets & Kendo UI—supported 5K concurrent users.
- Implemented CI/CD pipelines in Azure DevOps & TeamCity with SonarQube & WhiteSource for code quality and OSS license checks.
- Centralized logging/tracing via ELK & OpenTelemetry, reducing MTTD by 60%.

Emgenex LLC — *Ewing, NJ*

Software Developer | *Mar 2018 – Sep 2019*

- Designed secure ASP.NET Web API services for vendor onboarding & DOT inspections, leveraging OAuth2 and Oracle PL/SQL.
- Engineered React/Redux portals with mobile-first responsive layouts and WCAG 2.1 accessibility compliance.
- Automated container builds with Docker & Octopus Deploy; established zero-downtime release processes.

BitMascot — *Dhaka, BD*

Senior Software Engineer | *Apr 2017 – Mar 2018*

- Architected TradeIX trade finance microservices (.NET Core, CQRS, RabbitMQ, Hyperledger Fabric) for DHL, ING and Aronova.

- Designed multi-tenant API gateways and auth via IdentityServer4 and Azure AD B2C, serving 100+ enterprise customers.
- Delivered Australia Post courier system with SignalR real-time notifications and Hangfire-based job scheduling.

EA-Link System SDN BHD — *Cyberjaya, Malaysia*

Senior Software Engineer | *Jun 2016 – Apr 2017*

- Co-led Azure PaaS tax-automation SaaS (Cloud Services Web/Worker Roles) with CQRS, Microservices and Quartz.NET scheduling.
- Developed offline-first React.js/Cordova reporting modules using Service Workers and local storage.
- Profiled and tuned performance with RedGate ANTS and Azure Application Insights.

Enosis Solutions — *Dhaka, BD*

Software Development Lead | *Oct 2011 – May 2016*

- Delivered HIPAA-compliant EHR system modules (appointment, billing, record mgmt) in ASP.NET Web Forms and AngularJS.
- Implemented SignalR and WebSockets voice command features, raising user engagement by 40%.
- Deployed Azure App Service solutions with auto-scale rules and integrated telemetry dashboards.

American International University – Bangladesh — *Dhaka, BD*

Senior System Analyst / Lead Developer | *Mar 2010 – Sep 2011*

- Modernized university ERP with layered .NET design patterns, WCF services, and Entity Framework, improving maintainability.
- Built campus Access Control System (WPF client, WCF services, SQL Server) for card-based security workflows.

Periscope Technology Solutions Ltd — *Dhaka, BD*

Software Engineer | *Apr 2009 – Feb 2010*

- Developed SaaS-based Timesheet Report (WWF, WCF) with Outlook integration via VSTO and secure SOAP endpoints.

Information Engineers & Consultants BD Ltd — Dhaka, BD

Senior Software Engineer | Sep 2006 – Apr 2009

- Built .NET Web Services to synchronize depot/sales data for Novartis and Roche; implemented J2ME mobile client (LWUIT).

Education & Certifications

- BS, Computer Science — American International University – Bangladesh, 2006
- Microsoft Certified: Azure Fundamentals, 2022
- Summa Cum Laude, AIUB 7th Convocation, 2007

Publications

- "Automated System to Detect Textile Defects," American Journal of Science & Engineering, Aug 2006
- "A Suitable Neural Network to Detect Textile Defects," ICONIP 2006, Hong Kong
- "Automated Textile Defect Recognition System using Computer Vision & ANN," Enformatika 2006, Budapest