Muhammad Ahmod

Staff Software Engineer | Solutions Architect

linkedin.com/in/muhammad-ahmod | gist.github.com/muhammad-1990

+27 81 589 3805

m.ahmod@live.co.za

Medina, Saudi Arabia

(Open to relocation)

Summary

- Staff Software Engineer with 10+ years of experience delivering scalable and secure solutions in **C#, .NET Framework 4.8, and .NET Core**. Skilled in refactoring and modernizing systems, microservices, orchestration, HITL workflow processes, automating infrastructure, and leading teams to achieve faster, more reliable deployments.
- Architected solutions following **Domain-Driven Design (DDD)**, **Test-Driven Development (TDD)** and **Layered and Clean Architecture** to ensure maintainability, onboarding clarity, and long-term scalability. Designed **Event-Driven architectures** with **event sourcing**, leveraging messages and queues (**Azure Service Bus, Azure Event Hub, RabbitMQ, Kafka**) to build resilient, distributed systems with explicit boundaries and reliable workflows.
- Implemented **CI/CD pipelines** in **Azure DevOps and GitHub**, reducing deployment times from hours to minutes and boosting **team confidence** in releases across multiple on-prem and cloud environments.
- **Strengthened security** and achieved A+ score from Qualys, improved APIs to be **PCI-compliant** with strict resource sharing, hardened TLS settings and IIS configurations for protection against **XSS, session replays, and DDoS attacks**.
- Advanced **observability** using **OpenTelemetry, Grafana, Loki, Tempo, Prometheus, and Serilog**. Enabling real-time monitoring, fine-grained event source auditing, and **GDPR compliance**. Delivered **24/7 alerting** via Microsoft Teams webhooks, **UptimeKuma and Seq**, ensuring rapid incident response and **enabling collaborative problem-solving**.

Experience

Staff Software Engineer | Solutions Architect
Microservices | Docker | Event Sourcing | GRPC | RabbitMQ | Redis | GraphQL

April 2025 - Present
Sable International | CT, South Africa

- Planned and led the migration and refactoring of .NET Framework Web Apps and Web Services to .NET Core microservices in Docker containers. Increased security, compliance, performance and scalability and standardized infrastructure-as-code. Development velocity increased by a factor of x3 due to less coupling, simpler codebase and unified dependency management.
- Setup internal NuGet server and packaged and deployed versioned libraries. This provided cross-functional teams with shared and reusable common logic to keep teams insync and reduce code duplication.
- Architected a payment gateway for integration with DataCash, JudoPay, Barclays, and SWIFT, using GRPC, RabbitMQ, and EventStoreDb with durable queues, resiliency and idempotent transactions.

Senior Software Engineer Team Lead
DevOps | CI/CD | Terraform | Grafana | OpenTelemetry

February 2019 - March 2025
Novation Tech | CT, South Africa

- Created Azure DevOps CI/CD pipelines with real-time monitoring and human-in-the-loop workflows, reducing deployment time by 90%, and improved SLA uptime to 99.98%.
- Mentored cross functional teams in System Design and Domain-Driven Design, delivering secure, high-quality solutions with distributed tracing, monitoring and auditing aligned with business goals.

Certifications

- **Azure Solutions Architect Expert**
- Azure Administrator Associate
- Azure Network Engineer Associate
- Azure Virtual Desktop Specialty
- Azure Data Fundamentals
- Azure AI Fundamentals
- Azure Machine Learning Fundamentals
- Azure Fundamentals
- **Microsoft Certified Professional**
- Microsoft® Certified Professional Developer: ASP.NET Developer
- Microsoft® Certified Technology Specialist: .NET Framework
- **Foundational C# with Microsoft**
- Advanced C Programming
- **Prosci® Certified Change Practitioner**

Skills

- C#
- .NET Core
- .NET Framework
- .Net Blazor
- .Net MAUI
- JavaScript
- TypeScript
- AngularJS
- Node.js
- MSSQL
- PostgreSQL
- Redis
- Neo4j
- MongoDb
- Docker
- Kafka
- Azure DevOps
- AzureOpenAI
- AzureML
- Microservices
- Event Sourcing
- GRPC
- RabbitMQ
- OpenTelemetry