

NATIG GARAISAYEV

Senior Senior Software Engineer

SUMMARY

- Senior .NET engineer with 10+ years in backend development, specializing in .NET 6–8, ASP.NET Core, and microservices architecture.
- Proven expertise in distributed systems, AWS (Lambda, ECS, API Gateway), Azure Functions, and event-driven processing with RabbitMQ and MassTransit.
- Led development of scalable platforms integrating multiple ATS and real-time notification systems using WebSockets and DynamoDB.
- Strong database skills in SQL Server optimization, Amazon OpenSearch, and DynamoDB, with experience in query tuning and indexing.
- Applied Clean Architecture, CQRS, and resilience patterns; implemented distributed tracing with OpenTelemetry and CI/CD pipelines using GitHub Actions.

TECHNICAL SKILLS

Main Technical Skills	.NET (10 yr.), C# (10 yr.), Microsoft SQL Server (10 yr.), AWS (3 yr.), Azure (3 yr.)
Programming Languages	C# (10 yr.), JavaScript (6 yr.), TypeScript (6 yr.)
.NET Platform	ASP.NET Web API (3 yr.), ASP.NET WebForms (3 yr.), EF Core (2 yr.), Entity Framework (3 yr.), .NET (10 yr.), .Net WCF (3 yr.), Polly (3 yr.), Refit (3 yr.)
JavaScript Frameworks	React (6 yr.)
Databases & Management Systems / ORM	AWS DynamoDB (3 yr.), Microsoft SQL Server (10 yr.), T-SQL (10 yr.)
Cloud Platforms, Services & Computing	AWS (3 yr.), Azure (3 yr.)
Amazon Web Services	AWS API Gateway (3 yr.), AWS Bedrock (1 yr.), AWS CloudWatch (2 yr.), AWS Cognito (3 yr.), AWS DynamoDB (3 yr.), AWS ECS (Amazon Elastic Container Service), AWS Lambda (3 yr.), AWS S3 (3 yr.), AWS SNS (3 yr.)
Azure Cloud Services	Azure Application Insights (3 yr.), Azure Blob Storage (3 yr.), Azure Cloud Functions (3 yr.), Azure DevOps (3 yr.), Azure Monitor (3 yr.)
SDK / API and Integrations	API (2 yr.), ASP.NET Web API (3 yr.), AWS API Gateway (3 yr.), OpenTelemetry (3 yr.), RESTful API (10 yr.)
Logging and Monitoring	Azure Monitor (3 yr.)
Methodologies, Paradigms and Patterns	Clean Architecture (3 yr.), Command and Query Responsibility Segregation (CQRS), microservices (3 yr.)

Virtualization, Containers and Orchestration	Docker (3 yr.)
Version Control	Github Actions (3 yr.)
QA, Test Automation, Security	Integration testing (3 yr.), xunit (3 yr.)
Message/Queue/Task Brokers	RabbitMQ (3 yr.)
Platforms	Red Hat OpenShift Container Platform (3 yr.)
Other Technical Skills	Command and Query Responsibility Segregation, MediatR (3 yr.), Serilog (2 yr.)

WORK EXPERIENCE

.NET Software Engineer - Limestone Digital / Client: Clevry (ATS Integration Platform)

Duration: Oct 2024 – Present

Summary:

- Developed an ATS integration platform consisting of 2 microservices behind an API gateway connecting the UK psychometric assessment product to 6 applicant-tracking systems: Greenhouse, Lever, SmartRecruiters, Teamtailor, Jobylon, and Talentech
- The platform facilitates seamless integration and data exchange between assessment and recruitment systems

Responsibilities:

- Built the platform from scratch and led one developer.
- Implemented distributed tracing with OpenTelemetry and exported traces to Azure Monitor.
- Optimized stored procedures for client-facing assessment features handling 25k assessments daily.
- Enhanced the core assessment engine by adding personality reports and GDPR-compliant data deletion.
- Improved candidate invitation links with secure short codes.

Technologies: .NET 6–8, ASP.NET Web Forms, Azure Functions, Azure Monitor, OpenTelemetry, RabbitMQ, SQL Server, T-SQL

.NET Software Engineer - Limestone Digital / Client: Paradigm RCM (Medical Billing Platform Automation)

Duration: Oct 2024 – Present

Summary: Automated billing ticket queue management for a US medical-billing platform serving senior-care providers, improving operational efficiency and billing accuracy.

Responsibilities:

- Developed 5 Azure Functions to automate ticket creation, assignment, closure, and updates with transactional writes and failure tracking.



- Built a billing anomaly detector to identify providers with significant billing drops and trigger review tickets.
- Optimized SQL queries to eliminate production timeouts on main ticket screens.
- Designed a reusable assignment engine for ticket distribution based on multiple criteria.

Technologies: Azure Functions, SQL Server, T-SQL, .NET 6–8

.NET Software Engineer - AltexSoft / Client: WarrCloud (Ticket Management System)

Duration: Feb 2022 – Oct 2024

Summary: Built a ticket management system for a US automotive warranty-claims platform connecting claims-processing agents and car dealerships, replacing a legacy monolith with microservices.

Responsibilities:

- Developed 12 microservices including core ticketing and separate dealer-facing and agent-facing BFF services.
- Designed and implemented a real-time notification system using WebSocket push via AWS API Gateway and Lambda.
- Moved ticket search operations from SQL Server to Amazon OpenSearch with synchronization processes.
- Integrated Amazon Bedrock for generative AI features converting descriptions into regex patterns.
- Set up CI/CD pipelines with GitHub Actions for automated deployments to Amazon ECS.

Technologies: .NET 6–8, AWS Lambda, AWS API Gateway, Amazon OpenSearch, Amazon DynamoDB, Amazon Bedrock, GitHub Actions, Amazon ECS, WebSocket

.NET Software Engineer - AltexSoft / Client: RSI (Hotel and Condominium Booking Platform Restructuring)

Duration: Feb 2022 – Oct 2024

Summary: Restructured a large monolithic booking platform into modular hotel and condominium components to improve maintainability and enable continuous delivery.

Responsibilities:

- Separated application layers into hotel and condo modules while maintaining existing functionality.
- Replaced EF Core InMemory tests with Docker-based SQL Server integration tests with database-per-test isolation.
- Configured Azure DevOps CI pipelines to run integration tests.
- Standardized structured logging across multiple projects using Serilog and AWS CloudWatch.

Technologies: .NET 6–8, EF Core, Docker, SQL Server, Azure DevOps, Serilog, AWS CloudWatch



Full-Stack Software Developer - AistGroup (Social Insurance Digitization Platform)

Duration: Sep 2016 – Feb 2022

Summary: Designed and developed full-stack web applications to digitize social insurance services for the Ministry of Labor and Social Protection of Azerbaijan, enabling online access to services for insured individuals.

Responsibilities:

- Developed new features and maintained the Insurance subsystem.
- Resolved production issues and extended existing functionality.

Technologies: .NET Framework 4.8, ASP.NET Web Forms, C#, SQL Server, T-SQL, JavaScript

EDUCATION

- **Bachelor's Degree in Computer Engineering**
Azerbaijan State Oil and Industry University
2012 – 2016

CERTIFICATION

- **Microsoft 70-483: Programming in C#**
2020

