

Ehsan Tatasadi

Senior Azure Engineer | Backend & Full-Stack

Tel: [+4915750991956](tel:+4915750991956)

E-Mail: ehsan@tatasadi.com

Location: Hamburg, Deutschland

LinkedIn: <https://www.linkedin.com/in/ehsan-tatasadi>



SUMMARY

Senior Azure Engineer with extensive experience in enterprise and large-scale corporate projects. Strong focus on building, operating, and evolving stable Azure-based platforms, including CI/CD, DevOps structures, and production-ready cloud architectures.

Solid software engineering background in .NET/C# with hands-on experience in backend and full-stack development within Azure-based application environments. Experienced in designing and integrating APIs, implementing backend services, and contributing to application and integration architecture in distributed systems.

Strong focus on operational excellence, including monitoring, observability, and stabilization of production systems in enterprise environments. Proven track record in agile and regulated environments, delivering scalable, secure, and maintainable end-to-end solutions.

SKILLS

Azure Platform Engineering

- Microsoft Azure (App Services, Azure Functions, Storage Accounts, API Management)
- Azure Identity & Security (Entra ID, Managed Identities, Key Vault)
- Azure SQL (Azure SQL Database, SQL Managed Instance)
- Azure Cosmos DB (NoSQL, distributed data models)
- Messaging & integration (Azure Service Bus, Event Grid)
- Azure-based platform and solution architecture
- Integration of cloud platforms with backend services and applications
- Operation and continuous improvement of production environments

Backend & Full-Stack Development

- .NET / C# (backend development, APIs, integration)
- REST APIs & service-based architectures
- Full-stack development in enterprise application contexts
- React / Next.js (supporting, application-oriented)
- Frontend integration and end-to-end application flows
- Backend service design and distributed systems
- Relational databases (SQL Server)

CI/CD & DevOps

- Azure DevOps (Pipelines, Repositories, Environments)
- GitHub Actions
- CI/CD architecture (build, test, release, promotion)
- Automation of deployment and delivery processes
- Release and deployment strategies

Infrastructure as Code & Automation

- Terraform
- Bicep / ARM
- Bash / PowerShell
- Infrastructure automation via CI/CD
- Environment and configuration management

Observability, Testing & Reliability

- Azure Monitor & Application Insights
- Logging, metrics, and distributed tracing
- Alerting and incident detection strategies
- Root-cause analysis and production issue resolution
- Quality assurance in CI/CD pipelines
- Integration testing and deployment validation
- Ensuring reliability and stability of production systems

Working Style & Context

- Agile methodologies (Scrum, Kanban)
- Enterprise and corporate environments
- Code reviews and quality management
- Sustainable and maintainable solution design
- Collaboration with development, security, and business stakeholders

CERTIFICATIONS

Microsoft Azure & DevOps

- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Microsoft Certified: Azure Developer Associate (AZ-204)
- Microsoft Certified: Azure Fundamentals (AZ-900)

Additional Microsoft Certifications (supporting)

- MB-200 – Power Platform & Dynamics 365 Core
- Exam 716 – Dynamics 365 Customization & Configuration

PROFESSIONAL EXPERIENCE

Senior Azure Engineer | Backend & Full-Stack

Period: 2022 – Present

Project: Energy Utility (DAX-listed Corporation, Germany)

Role: Senior Azure Engineer | Backend & Full-Stack

Environment: Enterprise, regulated

Objective:

Design, build, and operate an Azure-based platform to stabilize and evolve applications and improve delivery processes.

Responsibilities & Activities:

- Design and continuous improvement of Azure platform architectures
- Establishment of CI/CD pipelines and delivery workflows using Azure DevOps

- Automation of infrastructure provisioning using Terraform, ensuring consistent and reproducible environments
- Full-stack and backend development using .NET, enabling seamless integration between application and cloud platform
- Design and integration of APIs and backend services to support scalable and maintainable application architectures
- Contribution to application and integration architecture design

Operations & Reliability:

- Implementation of monitoring, logging, and alerting, enabling faster detection and resolution of production issues (Azure Monitor, Application Insights)
- Root cause analysis and resolution of production issues
- Ensuring system stability, security, and operational readiness

Technology Stack:

Azure (App Services, Functions, Storage) · Azure DevOps · Terraform · .NET / C# · REST APIs · Azure SQL · Application Insights · Azure Monitor · Git

Project: Regional Grid Operator (Energy Sector, Germany)

Role: Senior Azure Engineer | Backend & Full-Stack

Objective:

Build a web-based platform including Azure infrastructure and establish stable delivery processes.

Responsibilities & Activities:

- Introduction and rollout of CI/CD pipelines
- Automation of deployments and infrastructure
- Full-stack support and partial implementation using .NET
- Development and integration of backend services and APIs
- Integration of application components into cloud environments
- Collaboration with development teams to improve delivery stability

Technology Stack:

Azure · Azure DevOps · Terraform · .NET / C# · REST APIs · SQL Server · Git · Agile

Lead Consultant – Cloud & DevOps (Acando / CGI)

Period: 2018 – 2022

Project: Enterprise Cloud & DevOps Initiatives (Multiple Clients)

Role: Lead Consultant (Cloud, DevOps, Backend & Integration)

Objective:

Design and implement cloud and DevOps solutions with focus on stable delivery and system integration.

Responsibilities & Activities:

- Design and optimization of CI/CD processes and deployment strategies, improving delivery stability and reducing manual effort
- Full-stack and backend development using .NET in enterprise environments
- Development and integration of APIs and system interfaces
- Integration of Microsoft Dynamics 365 into enterprise landscapes
- Contribution to system and integration architecture
- Close collaboration with development and infrastructure teams

Technology Stack:

Azure · Azure DevOps · .NET / C# · REST APIs · Dynamics 365 · SQL Server · Git · Agile

Project: National Infrastructure (Aviation)

Role: Lead Consultant

Objective:

Integration and customization of Dynamics 365 in a safety-critical system.

Responsibilities & Activities:

- Backend development and integration of CRM-related logic
- Development of interfaces and system integrations
- Ensuring data quality and stable backend processes in a safety-critical environment
- Implementation of automated deployment processes
- Collaboration with business and IT stakeholders

Technology Stack:

Dynamics 365 · .NET / C# · REST APIs · Azure DevOps · SQL Server · Git

Research Associate / Software Engineer (TU Clausthal & IAV)

Period: 2016 – 2018

Responsibilities & Activities:

- Development of backend logic and technical solutions
- Analysis and modeling of system requirements
- Building a strong foundation in software engineering

Technology Stack:

.NET / C# · SQL Server · Git

REFERENCE IMPLEMENTATIONS (PERSONAL PROJECTS)

Azure AI Integration Gateway Platform (AI & API Platform Engineering)

Enterprise-grade AI gateway platform built on Azure API Management to centralize and secure access to AI services such as Azure OpenAI.

- Secure access using Managed Identity (no API keys)
- Rate limiting, quota management, and request transformation
- Centralized API gateway for AI service integration
- Observability and monitoring using Application Insights
- Infrastructure as Code and CI/CD implementation

Technology Stack:

Azure API Management · Azure OpenAI · Managed Identity · Terraform · Application Insights · Azure Monitor · CI/CD · REST APIs

Azure AKS Enterprise Platform Baseline (Kubernetes Platform Engineering)

Enterprise-ready Azure Kubernetes Service (AKS) platform baseline designed for secure and scalable containerized workloads.

- Terraform-based platform provisioning
- Workload Identity for secure service communication
- Observability using Azure Monitor, Prometheus, and Grafana
- NGINX-based ingress configuration
- Platform governance using Azure Policy

Technology Stack:

Azure AKS · Terraform · Kubernetes · Workload Identity · Azure Monitor · Prometheus · Grafana · NGINX · Azure Policy

Azure Enterprise RBAC & PIM Governance (Identity & Access Governance)

Terraform-based governance model for secure and auditable identity and access management in Azure environments.

- Group-based RBAC model using Entra ID
- Azure PIM for privileged access management
- Least-privilege CI/CD identities
- Approval-based access control workflows
- Automated identity and access configuration

Technology Stack:

Azure Entra ID · Azure RBAC · Azure PIM · Terraform · CI/CD · Azure Policy

Azure Enterprise Promotion Model (CI/CD & Platform Delivery)

Structured CI/CD promotion model enabling controlled deployments across Dev, Test, and Production environments.

- Multi-stage CI/CD pipelines with approval workflows
- Environment separation and controlled promotion strategy
- Secure deployments using Managed Identity and Key Vault
- Infrastructure provisioning with Terraform

Technology Stack:

Azure DevOps · Terraform · Azure Key Vault · Managed Identity · CI/CD · Infrastructure as Code

Event-Driven Order Processing System (Azure, Serverless)

Production-style event-driven system built with Azure serverless services for scalable order processing.

- Event-driven architecture using Service Bus and Event Grid
- Backend implementation with .NET and Azure Functions
- Scalable and decoupled processing workflows
- CI/CD and Infrastructure as Code setup

Technology Stack:

Azure Functions · Service Bus · Event Grid · .NET / C# · Terraform · CI/CD · Azure Storage

Smart Invoice Automation (Serverless & Azure AI)

Automated invoice processing platform using Azure AI and serverless technologies.

- Backend processing using Azure Functions and .NET
- Integration of AI services for document processing
- Scalable serverless architecture
- Secure and automated processing pipelines

Technology Stack:

Azure Functions · Azure AI · .NET / C# · Terraform · CI/CD · Azure Storage · REST APIs

Detailed descriptions and GitHub repositories for these reference implementations are available at:

<https://ehsan.tatasadi.com/en/projects>

EDUCATION

Master of Science – Computer Science

Clausthal University of Technology | 2015 – 2018

LANGUAGES

German – Business fluent

English – Business fluent

Persian – Native