

Vyacheslav K

Architect/Lead AI / LLM Solutions Architect |

Senior .NET & AI Platform Engineer

SUMMARY

- AI / LLM Solutions Architect and Senior .NET Engineer with 10+ years : enterprise-grade AI-enabled platforms and regulatory systems.
- .NET 8, ASP.NET Core, Python/FastAPI, LangChain, OpenAI/Claude APIs, RAG, vector search, and AI integration architecture.
- Led end-to-end architecture and implementation of German e-invoicing solution with AI document processing and structured invoice workflows.
- Strong background in microservices,DDD, CQRS, event-driven architecture, Azure/AWS cloud, Kubernetes, CI/CD, and production observability.
- Computer Science education with proven skills in backend, frontend, DevOps, testing, and AI platform engineering across insurance, banking, and regulatory domains.

TECHNICAL SKILLS

Main Technical Skills	.NET (10 yr.), C# (10 yr.), Solution Architecture Design, Python, Azure (5 yr.)
AI Tools & Assistants	Claude
Programming Languages	C# (10 yr.), JavaScript (6 yr.), Python, TypeScript (4 yr.)
.NET Platform	ADO.NET (8 yr.), ASP.NET Core Framework (5 yr.), Dapper (5 yr.), EF Core (5 yr.), Entity Framework (8 yr.), LINQ (8 yr.), .NET (10 yr.), SignalR, WebForms (4 yr.)
JavaScript Frameworks	Angular (6 yr.), AngularJS (6 yr.), Express (3 yr.), jQuery (6 yr.), React (4 yr.)
AI & Machine Learning	Claude, LangChain, OpenAI, RAG
Python Frameworks	FastAPI
JavaScript Libraries and Tools	React Hooks, React Router, Redux-Saga, Redux-toolkit, RxJs (6 yr.)
Data Analysis and Visualization Technologies	Business Analysis
Databases & Management Systems / ORM	Cosmos DB, Microsoft Azure SQL Server (5 yr.), Microsoft SQL Server (8 yr.), MongoDB (3 yr.), MySQL, Oracle Database (4 yr.), PostgreSQL (5 yr.), Redis (8 yr.), Sphinx
UI Frameworks, Libraries, and Browsers	Angular Material UI, Bootstrap (6 yr.), CSS3 (6 yr.), HTML5 (6 yr.), jQuery (6 yr.), Kendo UI (3 yr.), Material UI
	AWS (4 yr.), Azure (5 yr.)

Cloud Platforms, Services & Computing	
Amazon Web Services	AWS ECS (Amazon Elastic Container Service)
Azure Cloud Services	Azure Application Insights (5 yr.), Azure App Service (5 yr.), Azure Cloud Functions (5 yr.), Azure DevOps (4 yr.), Azure Key Vault (5 yr.), Azure Service Bus, Cosmos DB, Microsoft Azure SQL Server (5 yr.)
Industry Domain Experience	Embedded
Collaboration, Task & Issue Tracking	Atlassian Confluence (4 yr.)
Deployment, CI/CD & Administration	Blazor, CI/CD (5 yr.), Jenkins (4 yr.)
Methodologies, Paradigms and Patterns	Clean Architecture, Command and Query Responsibility Segregation (CQRS), DDD, FDD, microservices, Razor, Solution Architecture Design
Virtualization, Containers and Orchestration	Docker (5 yr.), Docker Compose (5 yr.), Kubernetes (5 yr.)
SDK / API and Integrations	FastAPI, JWT, OAuth, OIDC, OpenTelemetry (1 yr.), Swagger (6 yr.)
Version Control	Github Actions (1 yr.)
Mail / Network Protocols / Data transfer	JWT
QA, Test Automation, Security	NUnit (4 yr.), Playwright (1 yr.), Postman (6 yr.), xunit (4 yr.)
Message/Queue/Task Brokers	RabbitMQ (8 yr.)
Other Technical Skills	Command and Query Responsibility Segregation, MediatR, Moq (4 yr.), Qdrant, Semantic Kernel, Serilog (6 yr.), Testcontainers (4 yr.)

WORK EXPERIENCE

Senior Full-Stack .NET Developer | AI / LLM + Solution Architect - Accenture (German E-Invoicing / Regulatory Product and Parallel AI/LLM Initiatives)

Duration: Mar 2023 - Present

Summary: Led solution architecture and hands-on delivery for a German e-invoicing solution aligned with regulatory requirements, alongside multiple parallel AI-enabled enterprise modernization projects including insurance platforms and AI development workflows.

Responsibilities:

- Led solution architecture across multiple parallel product initiatives.



- Defined application/platform architecture, service boundaries, AI integration strategy, API/data contracts, development workflow, acceptance approach, deployment model and technical handover.
- Architected and implemented end-to-end e-invoicing solution with AI document-processing integration and structured invoice workflows.
- Designed reusable AI integration layers for .NET products using Python/FastAPI, RAG, OpenAI/Claude APIs, LangChain, Semantic Kernel, and other AI technologies.
- Built AI/RAG insurance claim workbench with document Q&A, grounded citations, structured outputs, and audit/cost traces.
- Developed backend enterprise services with C#, .NET 8, ASP.NET Core Web API, REST/gRPC, EF Core/Dapper, MediatR, SQL Server/PostgreSQL, Redis, RabbitMQ, and Azure Service Bus.
- Delivered cloud workloads on Azure and AWS using App Services, Functions, Container Apps, Azure SQL, Key Vault, Application Insights, Docker, Kubernetes/AKS, and GitHub Actions CI/CD.
- Implemented testing and observability using xUnit, NUnit, Moq, FluentAssertions, Testcontainers, Playwright, Serilog, OpenTelemetry, and Application Insights.
- Built and supported frontend business interfaces with React/TypeScript, Angular, Redux/RxJS, Blazor, and SignalR.

Technologies: .NET 8, C#, ASP.NET Core Web API, REST, gRPC, EF Core, Dapper, MediatR, SQL Server, PostgreSQL, Redis, RabbitMQ, Azure Service Bus, Python, FastAPI, RAG, OpenAI API, Claude API, LangChain, Semantic Kernel, embeddings, vector search, Azure App Services, Azure Functions, Azure Container Apps, Azure SQL, Azure Key Vault, Application Insights, Docker, Kubernetes/AKS, GitHub Actions, xUnit, NUnit, Moq, FluentAssertions, Testcontainers, Playwright, Serilog, OpenTelemetry, React, TypeScript, Angular, Redux, RxJS, Blazor, SignalR

Full-Stack Engineer (.NET, Backend-Focused) - OnePoint Ltd (Enterprise Banking Platform and Core Banking Workflows)

Duration: Jan 2019 - Mar 2023

Summary: Developed and maintained enterprise banking platform focusing on core banking workflows, internal systems, and integrations to ensure reliable and efficient transaction processing and business operations.

Responsibilities:

- Developed ASP.NET Core (.NET 6) backend services with C#, REST APIs, CQRS, MediatR, validation, dependency injection, and layered architecture.
- Optimized database performance and reliability using PostgreSQL, SQL Server, and Oracle with stored procedures, indexes, transactions, and execution plans.
- Implemented asynchronous and event-driven processing with RabbitMQ and Redis for backend integration workflows.
- Built Angular 8 frontend modules with TypeScript and RxJS integrated with REST APIs.
- Supported DevOps processes using Jenkins, Azure DevOps, Docker, Kubernetes, and Azure cloud delivery.
- Investigated production incidents, integration failures, and data issues; validated fixes with automated testing using xUnit and Testcontainers.

Technologies: ASP.NET Core (.NET 6), C#, REST APIs, CQRS, MediatR, PostgreSQL, SQL Server, Oracle, RabbitMQ, Redis, Angular 8, TypeScript, RxJS, Jenkins, Azure DevOps, Docker, Kubernetes, Azure



ASP.NET Full-Stack Developer - Digital Edge (Vessel and Insurance CRM, Fleet Management, Document Workflows)

Duration: Sep 2015 - Dec 2018

Summary: Developed full-stack solutions for vessel management, insurance CRM, fleet management, and document workflow systems, supporting business and partner integrations with modernized backend and frontend technologies.

Responsibilities:

- Developed .NET backend and REST API services for vessel management, insurance, CRM, and document workflow modules.
- Migrated legacy components toward .NET Core and supported partner/business-system integrations.
- Built AngularJS/Angular and TypeScript frontend modules with jQuery, Bootstrap, Kendo UI, and DevExpress Reporting.
- Implemented RabbitMQ background processing and worked with SQL Server, MongoDB, and Redis for caching and query optimization.
- Supported AWS deployments, Swagger/OpenAPI documentation, Serilog logging, production diagnostics, and performance troubleshooting.

Technologies: .NET, .NET Core, REST API, AngularJS, Angular, TypeScript, jQuery, Bootstrap, Kendo UI, DevExpress Reporting, RabbitMQ, SQL Server, MongoDB, Redis, AWS, Swagger/OpenAPI, Serilog

ASP.NET Full-Stack Developer - Dextra (CRM, Medical/EHR, Insurance and Legal Systems including Doctor Premium EHR/EMR)

Duration: Jan 2013 - Sep 2015

Summary:

- Developed and maintained CRM, medical/EHR, insurance, and legal systems with a focus on backend business logic, data access, and legacy UI modernization
- Built core components of a medical CRM system from the ground up

Responsibilities:

- Developed C#/.NET Framework business applications using ADO.NET, Entity Framework, SQL Server, and IIS.
- Designed backend logic, data-access infrastructure, stored procedures, schemas, controllers/services, and business integrations.
- Built AngularJS/JavaScript frontend interfaces and maintained legacy WebForms, jQuery, and Bootstrap workflows.
- Developed core parts of Doctor Premium EHR/EMR including application architecture, database schema, patient records, medical history, scheduler/events, and UI.
- Supported IIS deployments, SVN/Git workflows, Umbraco CMS, production debugging, performance profiling, and legacy system modernization.

Technologies: C#, .NET Framework, ADO.NET, Entity Framework, SQL Server, IIS, AngularJS, JavaScript, WebForms, jQuery, Bootstrap, SVN, Git, Umbraco CMS



EDUCATION

- **Specialist in Software Engineering**

National Aviation University, Faculty of Computer Science
2004-2009

- **Associate in Computer Maintenance**

Industrial-Economic College of Aviation University, Faculty of Computer Systems and Networks
2000-2004

- **UML-Based System Design with IBM Rational Rose**

Computer Center Prosoft
February 2008

