

Kostiantyn M.

Senior Senior .Net/C# Full-stack Engineer with React

SUMMARY

- 7 years with C#/.NET, 3+ years with React.
- Hackathon Hack-a-Train Winner (2019), Startup Alley participant, IT Arena (2019), Team lead for 1.5 years.
- A problem-solver: System Design, Performance Optimization, Reliability, Production Troubleshooting, from monolith to microservice architecture.
- AWS and Azure clouds, Kubernetes, messaging systems (RabbitMQ, Kafka), caching (Redis).
- Agentic AI systems, RAGs, LLMs, integrated AI services (OpenAI APIs, Azure AI Vision)
- 3 years in the Healthcare domain: AI disease predictions and other AI-assisted tools
- 4 years in enterprise CAD/CAM for industrial and medical manufacturing.
- Personal project for English learners (Mobile, Web, Desktop)

TECHNICAL SKILLS

Main Technical Skills	.NET (7 yr.), C#, React (2 yr.), Kubernetes (3 yr.)
AI Tools & Assistants	Claude, CoPilot, Cursor, GitHub Copilot
Programming Languages	C, C#, C++, Hack, JavaScript
AI & Machine Learning	AI, Azure AI Vision, Claude, CoPilot, OpenAI
.NET Platform	ASP.NET, ASP.NET Core Framework, .NET (7 yr.), WPF
JavaScript Frameworks	React (2 yr.)
Databases & Management Systems / ORM	Cosmos DB, Microsoft SQL Server, MySQL, PostgreSQL, Redis, relational databases, SQL
Cloud Platforms, Services & Computing	AWS, Azure
Azure Cloud Services	Azure AI Vision, Azure Cloud Functions, Azure Cloud Services, Azure DevOps, Azure Service Bus, Cosmos DB
Industry Domain Experience	Enterprise, Healthcare
Web/App Servers, Middleware	Apache Kafka
SDK / API and Integrations	API, Web API, Winforms
Hardware	CAD
	CI/CD



Deployment, CI/CD & Administration	
Third Party Tools / IDEs / SDK / Services	Cursor, Revit
Message/Queue/Task Brokers	Kafka, RabbitMQ
Virtualization, Containers and Orchestration	Kubernetes (3 yr.)
Methodologies, Paradigms and Patterns	microservices, microservices architecture, Monolith, MVVM, OOP, System Architecture, System Design
Soft Skills	troubleshooting
Other Technical Skills	Agentic AI, Caching, CAD/CAM, Core, Data Processing, Desktop, LLMs, Medical Imaging, messaging systems, Performance Optimization, Problem-solving, Team Lead, Team Leadership

WORK EXPERIENCE

Senior Software Development Engineer, Intellias (Healthcare engineering platform)

Duration: Jul. 2023 - Present

Summary: A healthcare engineering platform focused on the dental domain, used by clinics and laboratories to process medical imaging data, manage treatment workflows, and support cloud-connected clinical operations. The system features distributed data processing, long-running background workflows, and integration with external systems and cloud services.

Responsibilities:

- Developing backend services and application components using C#/.NET within microservicebased architectures.
- Contributing to system architecture and technical design decisions for long-lifecycle production systems.
- Designing and implementing APIs and integration layers for distributed applications.
- Working with relational databases, caching mechanisms, and messaging systems (RabbitMQ, Kafka, Redis).
- Improving performance, scalability, and reliability of production systems through refactoring and optimization.
- Performing code reviews, mentoring developers, and promoting engineering best practices within the team.
- Applying AI-assisted development tools to enhance development efficiency and code quality.

Technologies: C#, .NET, ASP.NET Core, Web APIs, Microservices, Azure Functions, Azure Service Bus, CosmosDB, RabbitMQ, Apache Kafka, Redis, MS SQL, MySQL, PostgreSQL, WPF/MVVM.



Software Development Engineer, AMC Bridge (Enterprise CAD/CAM platform)

Duration: Jun. 2019 - Jun. 2023

Summary: An enterprise CAD/CAM platform used in industrial and medical manufacturing environments for 3D model processing, toolpath generation, and engineering workflow support. The system combined computational geometry modules, desktop engineering components, and integration with external and cloud-connected services.

Responsibilities:

- Developed desktop and system components using C#/.NET within large-scale CAD/CAM software platforms.
- Designed and implemented modules involving computational logic and external platform connectivity.
- Delivered integration features for production .NET systems.
- Improved performance, stability, and maintainability of long-lifecycle production software through refactoring and optimization.
- Supported production systems and contributed to cross-team delivery of system enhancements.

Technologies: C#, .NET Framework/.NET Core, ASP.NET, Web APIs, MS SQL, CI/CD, System Integrations, CAD APIs (Revit, SolidWorks), WPF/MVVM.

ENGINEERING EXPERTISE

- Designing and evolving reliable backend and application systems with strong focus on maintainability and long-term lifecycle;
- Working with distributed architectures, service integrations, and system-level performance optimization;
- Improving stability, scalability, and resilience of production software through refactoring and architectural improvements;
- Designing and implementing APIs and integration layers across complex system landscapes;
- Diagnosing and resolving performance bottlenecks and production incidents in high-availability environments;
- Contributing to architectural discussions and technical decision-making within cross-functional teams;
- Driving engineering quality through code reviews, testing practices, and knowledge sharing

AI AND ENGINEERING INNOVATIONS

- Applying AI-assisted development tools (Cursor, GitHub Copilot, Claude) to improve engineering productivity, code quality, and technical research;
- Designing and using AI agents and automation workflows for debugging, code generation, and knowledge exploration;
- Experience integrating AI services (OpenAI APIs, Azure AI Vision) into engineering tools and development processes;
- Optimizing prompts and AI interaction strategies to improve reliability and effectiveness of AI-assisted solutions;
- Actively exploring AI-driven approaches for system design, documentation, and problem-solving in complex software environments.



ACHIEVEMENTS

- Hackathon Hack-a-Train Winner (2019)
- Team leadership experience (~1.5 years)
- Startup Alley participant, IT Arena (2019)

EDUCATION

- **Sumy State University**
MSc & BSc in Computer Science

