

Angel Anichin, M.S. Computer Science

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Senior Software Engineer

Senior Software Engineer with 15+ years delivering cloud-native backend systems across fintech, energy, and art technology. Specializes in .NET/C#, distributed microservices, and AI-powered search with hands-on depth in gRPC service design, Elasticsearch-based data platforms at scale, relational databases (SQL Server, PostgreSQL), Kubernetes, and GCP/Azure infrastructure. Proven track record migrating legacy systems to modern cloud, designing scalable schemas, building API layers, and owning complex backend projects end-to-end. Microsoft Certified (MCSA Cloud Platform, MCSD.NET). Known for taking ownership of complex projects end-to-end, communicating effectively across teams, and delivering reliably on time.

Software Engineering Skills & Technologies:

- **Languages:** C# / .NET (Core, Framework), JavaScript
 - **Frameworks & APIs:** ASP.NET Core · Web API, gRPC · REST, Entity Framework
 - **Cloud & Infrastructure:** Microsoft Azure, Google Cloud Platform (GCP), Kubernetes · Docker, CI/CD · Linux
 - **Databases:** PostgreSQL, Microsoft SQL Server · T-SQL, Elasticsearch
 - **AI & Search:** Elasticsearch (query DSL, full-text search, aggregations), LLM API integration
 - **Tools & Practices:** Git · Agile / Scrum, Microservices architecture, Distributed systems design
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Professional Experience:

SENIOR SOFTWARE ENGINEER | Artnet | New York, NY (**Remote**) June 2022 – April 2026

Artnet is the leading online marketplace and data platform for the fine art market, serving auction houses, galleries, museums, appraisers, and wealth managers worldwide. The Price Database contains over 18 million auction results and is used by an estimated 95% of companies and funds active in art and finance.

Leo AI Search – AI-Powered Natural Language & Image Search

- Engineered the gRPC API layer (C#/.NET) as sole backend engineer, enabling Artnet's first natural language and AI-image search across the entire global artwork catalog.
- Architected production-critical infrastructure for the AI platform, including authentication, rate limiting, search persistence, and BI analytics—bridging fundamental gaps in the vendor's offering.
- Pioneered AI-powered image recognition, leading the technical extension that allows users to identify artwork via mobile camera with instant, intelligent results.
- Served as Primary Technical Liaison between front-end teams and third-party LLM vendors, managing scope and reliability amidst shifting requirements to ensure an on-time launch.
- Received Director-level recognition for delivering a transformative feature hailed by leadership as a "paradigm shift" in how users interact with the art market.

Price Database Modernization – High-Performance Data Platform

- Engineered a high-performance replacement for a legacy price database, migrating 18M+ auction records into a modern Elasticsearch and gRPC-based architecture.
- Achieved massive search acceleration, architecting gRPC microservices on Kubernetes (GCP) to deliver performance speeds multiple times faster than the legacy system.
- Owned the end-to-end backend lifecycle, from designing PostgreSQL schemas and service contracts to implementing the API layer and managing multi-environment deployments.
- Served as the team's backend Subject Matter Expert (SME), rapidly integrating Elasticsearch, Docker, and Kubernetes into the .NET stack to solve complex data persistence and search challenges.
- **Technologies:** .NET/C#, Elasticsearch, gRPC, PostgreSQL, Microsoft SQL Server, Google Cloud, Kubernetes, Docker, Python

PRINCIPAL SOFTWARE ENGINEER, ASSOCIATE DIRECTOR | S&P Global | Boulder, CO July 2015 – June 2022

IHS Markit (acquired by S&P Global in 2022) was a global information services company with 5,000+ analysts and specialists across finance, energy, and transportation.

- Served as technical owner for a cross-functional feature team of 6 developers, QA, scrum master, and product owner, responsible for three client-facing products simultaneously.

- Directed development of a Single Page Application (SPA) for managing loans, with Vue.js front-end and Node.js API backend.
- Drove architectural decisions, code quality standards, and sprint delivery across Angular JS, ASP.NET MVC 5, and proprietary document management systems.
- Integrated complex Java-based third-party APIs and built WCF/REST services consumed across multiple client platforms.
- Mentored developers and provided technical coaching; maintained close cross-team communication to keep delivery on track.
- **Technologies:** Node.js, Vue.js, Angular JS, C#, ASP.NET MVC 5, jQuery, JavaScript, CSS3/Less, WCF, REST API, Sitecore 8.2/9.3

SENIOR SOFTWARE DEVELOPER | Trican Well Service | Calgary, AB **March 2013 – March 2015**

Trican is an international pressure pumping company with operations on four continents.

- Re-engineered the Enterprise Bonus System from the ground up, achieving a \$10\times\$ performance increase and enabling real-time formula adjustments for business users.
- Developed a secure Health Claims Management system featuring column-level encryption for sensitive medical data and a custom SSRS reporting suite.
- Architected a Workday (SaaS) integration utilizing the Workday Web Services API to automate upload of bonuses and paystubs.
- Built a mission-critical Chemical Disclosure application to automate regulatory reporting of chemical usage data to the Energy Resource Conservation Board.
- Optimized enterprise systems through application and database performance tuning to ensure high availability and speed.
- **Technologies:** C#, ASP.NET, SQL Server 2012, SSRS, TFS, Active Directory, database encryption (symmetric keys & certificates), jQuery, ANTS Performance Profiler

SENIOR SOFTWARE DEVELOPER | CPA Alberta | Calgary, AB **November 2007 – February 2013**

The Certified General Accountants' Association of Alberta (now CPA Alberta), responsible for education, regulation, and promotion of CGAs across the province.

- Architected a national WCF integration service with custom authentication, enabling seamless data synchronization for all CGA affiliates across Canada.
- Managed the development of the Student Member Management System (SMMS), successfully consolidating multiple legacy platforms into a unified Microsoft Dynamics CRM solution.
- Engineered the "Public Practice Management System" (PPMS) using WCF and NHibernate, replacing a critical legacy platform with a custom-built CRM.
- Pioneered "CRM-as-a-Platform" with the PERC system, establishing the organization's first dedicated dev/test environments and VMware-based backup infrastructure.
- Executed complex enterprise data migrations using Scribe to ensure data integrity during large-scale system transitions.
- **Technologies:** MS Dynamics CRM 2011, ASP.NET MVC, C#, SQL Server 2008 R2, WCF, NHibernate, TFS, Subversion, VMware ESXi, Team City, Scribe

SENIOR SOFTWARE DEVELOPER | inUnison Technology Services | Calgary, AB **November 2005 – Nov. 2007**

inUnison Technology Services was established as a dedicated software and IT provider for First Calgary Financial and Envision Financial (BC), serving both credit unions with the same core development team.

- Architected a mission-critical web service to expose live banking data during a major enterprise platform migration, enabling seamless integration for all downstream .NET applications.
- Developed the "Leasing Application" portal, a strategic ASP.NET platform that digitized credit application submissions for dealerships, accelerating processing times for Envision Financial.
- Engineered and maintained a suite of web and Windows Forms applications, ensuring high availability and reliability for day-to-day banking operations across multiple credit unions.
- **Technologies:** C#, ASP.NET 2.0, SQL Server 2000, Web Services, MS Content Management Server, Microsoft AJAX 1.0, Cruise Control

Additional Career Experience:

SENIOR SOFTWARE ENGINEER & TEAM LEAD | Virtual Affairs

Technologies: ASP.NET, C#, VB.Net, SQL Server, Oracle 8i, JavaScript, XML/XSLT, Web Services, MS Commerce Server, MS Content Management Server

IS SPECIALIST | Bulgarian Stock Exchange

Professional Education + Certifications + Licenses:

MASTER'S: COMPUTER SCIENCE, Technical University, Sofia | Evaluated by ECE; U.S.

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