

Arthur K. Scott

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GitHub: SoftwareFactoriesOfAmerica/DatabaseChat and migrations

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SENIOR AI SOLUTIONS ARCHITECT | AI MODERNIZATION ARCHITECT | PRINCIPAL .NET ENGINEER

Enterprise Modernization • AI-Assisted Development • Cloud-Native Architecture

Senior AI Solutions Architect and Principal .NET Engineer with 40+ years of software engineering experience and 10 years of hardware systems expertise delivering enterprise-scale applications across federal government, banking, healthcare, insurance, transportation, and financial services industries. Specialized in AI-assisted modernization, enterprise architecture, cloud-native solutions, microservices, and large-scale modernization initiatives using .NET 8/10, AWS, Azure, Blazor, React, OpenAI, and GitHub Copilot.

Proven track record architecting and delivering mission-critical systems under aggressive timelines, including successful delivery of a Federal SOA platform in six weeks using AI-assisted development workflows. Extensive experience leading distributed Agile teams, mentoring developers, modernizing legacy enterprise platforms, implementing Clean Architecture, and accelerating SDLC delivery through automation and AI-driven engineering practices leveraging OpenAI integration, ChatGPT, and GitHub Copilot.

Recognized for combining deep enterprise architecture expertise with modern AI acceleration strategies, cloud-native development, DevOps automation, and enterprise modernization leadership.

CORE COMPETENCIES

AI & Modernization

- OpenAI / ChatGPT Integration
- GitHub Copilot
- AI-Assisted SDLC
- Enterprise Modernization
- WebForms to .NET Migration

- AI Fraud Detection
- AI Code Modernization
- AI-Driven Refactoring
- Automated Code Transformation

Architecture & Engineering

- Enterprise Architecture
- Solution Architecture
- Clean Architecture
- SOA / Microservices
- N-Tier Architecture
- Distributed Systems
- RESTful APIs
- Cloud-Native Development

Technologies

- C#
- .NET Core / .NET 5–10
- ASP.NET MVC
- Blazor
- WebAPI
- Entity Framework
- React
- LitElement Components
- Python

Cloud & DevOps

- AWS Lambda
- AWS Serverless
- Azure
- Azure Key Vault
- Docker
- CI/CD Pipelines
- Git
- Azure DevOps
- Microsoft Graph

Security & Integration

- MSAL
- OAuth

- SSO
- Okta
- Modern Authentication
- Salesforce Integration
- API Integration
- MFA Integration
- ChatGPT integration

Databases

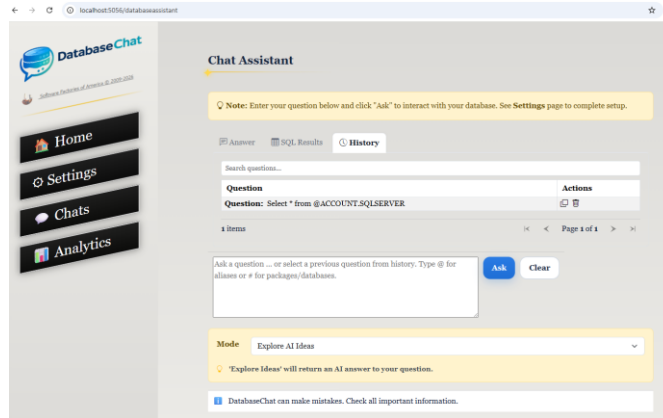
- SQL Server
- Oracle
- PostgreSQL

Leadership

- Technical Leadership
- Agile / Scrum
- Team Mentoring
- Architecture Governance
- SDLC Management
- Public Speaking

CAREER HIGHLIGHTS

- On my own time, I am in completing the process of writing an AI software product that “chats with databases” such as SQL server; Oracle, MongoDB, snowflake to name a few.
 - The product is a .NET 10, Blazor and C# application
 - Integrates with ChatGPT
 - Written in Visual Studio Community 2026



- Architected and delivered an AI-assisted .NET 10 SOA Federal platform in only six weeks using OpenAI, GitHub Copilot, reusable microservice templates, and accelerated engineering workflows.
- Successfully modernized legacy ASP.NET WebForms enterprise applications to .NET 10 using AI-assisted transformation techniques.
- Built reusable SOA UI/microservices templates accelerating enterprise onboarding and modernization efforts for future clients.
- Delivered cloud-native AWS Lambda serverless enterprise solutions utilizing modern microservices architecture.
- Led AI-assisted fraud detection initiatives utilizing OpenAI technologies for sponsor/minor analytics.
- Mentored engineering teams on AI-assisted software development, modernization strategies, architecture standards, and accelerated SDLC practices.

PROFESSIONAL EXPERIENCE

Applied Intellect, LLC – Chantilly, VA (Remote)

Senior Full Stack Developer / Software Engineer

06/2022 – 05/29/2026

- Architected and delivered AI-assisted .NET 10 SOA enterprise solutions for a federal government utilizing reusable microservice templates, OpenAI workflows, and accelerated modernization practices.

- Lead architect for the CaseVision production platform utilizing .NET 8, Blazor WebAssembly, AWS Lambda, SQL Server, and microservices architecture.
 - Modernized legacy ASP.NET WebForms 4.8 applications to .NET 10 using ChatGPT and GitHub Copilot to accelerate enterprise migration initiatives.
 - Designed and implemented serverless AWS Lambda microservices supporting cloud-native Federal applications.
 - Implemented Clean Architecture-based microservices consuming Salesforce REST APIs.
 - Developed AI-driven fraud detection capabilities for sponsor/minor analysis using OpenAI technologies.
 - Implemented Microsoft Graph Modern Authentication and Azure MSAL integrations replacing legacy Basic Authentication models.
 - Integrated SSO authentication solutions with Salesforce and enterprise systems.
 - Led modernization efforts utilizing Blazor, Docker, Azure, Git, CI/CD, and DevOps automation practices.
 - Mentored developers on AI-assisted engineering, enterprise architecture standards, and modernization strategies.
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Fidelity National Financial (FNF) – Jacksonville, FL

Senior Full Stack Developer / Software Engineer

04/2021 – 04/2022

- Architected reusable Blazor WebAssembly components integrated into enterprise MVC platforms.
- Developed .NET Core microservices using Docker, Entity Framework, Okta authentication, and cloud-native integration patterns.
- Led modernization initiatives migrating enterprise systems from ASP.NET WebForms to .NET 8/10 MVC architecture.
- Designed LitElement web components distributed through NPM for enterprise UI standardization.

- Integrated Okta MFA/token authentication systems and Azure Key Vault enterprise security solutions.
 - Created an in-house MFA solution for .NET 8/10 solutions
 - Mentored engineering teams on .NET modernization, Git workflows, and DevOps CI/CD implementation.
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Schwab – Austin, TX (Remote)

Senior Full Stack Developer / Software Engineer

11/2020 – 04/2021

- Developed enterprise .NET Core microservices and RESTful services deployed to Linux production environments.
 - Built React and Blazor-based frontend applications integrated with Schwab corporate services.
 - Mentored junior developers on architecture standards, .NET Core, C#, Blazor, and Agile engineering practices.
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Jacksonville Transit Authority (JTA) – Jacksonville, FL

Senior Full Stack Developer

01/2020 – 11/2020

- Designed and implemented a dynamic Business Rules Engine enabling business users to configure enterprise rules through Excel-driven workflows.
 - Developed enterprise Web APIs and React front-end applications using .NET Core, Azure Cloud Services, SQL Server, and MongoDB.
 - Led code reviews, CI/CD processes, and engineering governance using Git and Azure DevOps.
 - Mentored junior engineers on enterprise standards, AI integration, React, and cloud-native development practices.
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Bank of America – Charlotte, NC

Lead Developer / Enterprise Architect

Multiple Engagements

- Led enterprise architecture initiatives for regulatory compliance, risk management, reporting systems, and financial services modernization.
 - Architected SOA-based enterprise systems utilizing .NET, MVC, WCF, SQL Server, REST APIs, Angular, React, and distributed integration patterns.
 - Directed architecture governance, proof-of-concept development, technical standards, and engineering mentorship.
 - Managed enterprise deployments and installation processes across development, QA, UAT, and production environments.
 - Collaborated directly with business stakeholders, DBAs, infrastructure teams, and executive leadership.
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National Diagnostics, Inc. (HireRight Company)

Director of Software Development / Lead Architect

06/2007 – 07/2013

- Led software development initiatives supporting enterprise-scale health screening and diagnostics systems processing millions of monthly transactions.
 - Architected SOAP and RESTful integration services connecting multiple laboratory platforms.
 - Directed enterprise ASP.NET MVC/MVP development initiatives using dependency injection and scalable architecture practices.
 - Managed development teams, production support, SDLC governance, and enterprise integration strategies.
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Earlier Career Experience

Held senior architecture, development, and technical leadership roles with:

- Wells Fargo
- Blue Cross Blue Shield

- First Union
- Fidelity National Financial
- Landstar
- The Energy Authority
- Remi
- Cardinal Innovations
- NASA / Paramax Space Systems
- United States Navy

Delivered enterprise architecture, trading systems, SOA platforms, healthcare integrations, distributed systems, CRM/ERP modernization, and cloud transformation initiatives across financial services, government, healthcare, and enterprise technology sectors.

CERTIFICATIONS

- Six Sigma DEVOPS PRO Certified
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PUBLICATIONS

Author – *Inside VBScript with ActiveX*

<https://www.amazon.com/Inside-Vbscript-Activex-Yusuf-Malluf/dp/1562056514>

MILITARY EXPERIENCE

United States Navy – USS Midway (CV-41)

Data Systems Technician, E-5 | Shop Supervisor

10/1978 – 10/1984

- Completed advanced U.S. Navy Data Systems technical training.
 - Led shipboard technical operations and systems support initiatives.
 - Managed hardware, operational systems, and mission-critical technical infrastructure.
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ADDITIONAL HIGHLIGHTS

- 40+ years of enterprise software engineering experience
- 10+ years of hardware systems expertise
- Extensive public speaking and technical mentoring experience
- Remote leadership and distributed Agile team management
- Experience delivering mission-critical Federal Government systems
- Salary Target: \$160K–\$180K
- Remote Opportunities Preferred