

# DAVID WALKER

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## KNOWLEDGE

### CERTIFICATIONS

Microsoft Certified: Azure Solutions Architect Expert  
Microsoft Certified: DevOps Engineer Expert  
Professional Scrum Master - PSM I  
Certified Secure Software Lifecycle Professional - CSSLP

### SKILLS

Software Architecture: Onion/Hexagonal/Clean, Vertical Slice  
Software Development: C#, TypeScript, JavaScript, T-SQL, HTML, EF Core  
Azure Engineering: App Hosting, AD B2C, Azure SQL  
Azure DevOps / GitLab: git, builds, releases

### EDUCATION

BS - Computer Information Systems in Business  
Bellevue University, Bellevue, NE  
Dean's List

## WORK EXPERIENCE

### Software Architect Consultant

**Baker Tilly US, LLP**  
November 2021 - Present

 Architect

 Mentor

 Senior Developer

 Database Consultant

### Accomplishments

- Azure DevOps build and release pipelines
- Azure AD B2C sign-up and sign-in
- Deploy to Azure button
- Data Sync between cloud database and on-premise SAP database
- Data Sync between API and Azure Data Studio
- Data Sync between API and MS SQL Server
- Language tools for translation using strongly-typed language keys
- Lead technical direction for on-shore and off-shore teams

### Projects

HealthCare Portal	Secure portal for customers to manage their medicare account
Customer Portal	Review orders, invoices, payments, and pricing
DataCheck	Validate data transfer operations by comparing source and target data
Various	Ingest JSON into data lake via Apache Spark (Python) Ingest JSON into data warehouse via PowerShell


### Software Architect Consultant

**AgileThought, Inc**  
June 2015 - November 2021

 Architect

 Mentor

 Senior Developer

 Database Consultant

### Accomplishments

- Performance analysis and improvement of ASP.NET
- Performance analysis and improvement of EF-Core and T-SQL QUeries
- Streaming data capture (copy on stream read and copy on stream write)
- Automated build process
- Implement Retry and Circuit-Breaker pattern

### Projects

Secure Document transfer	Management of document requests and secure transfer of the provided documents
Audit Response Tool	Management of audit requirements and responses
Tournament Management Program	A web-based system for managing tournament entries, scoring, and sponsorships

### Software Architect

#### Nebraska Department of Roads Consultant - QA Technologies July 2012 - June 2015

⚙️ Architect

🌐 Mentor

</> Senior Developer

🗄️ Database Consultant

#### 🏆 Accomplishments

Initiated Agile development process  
Automated build process  
Production moves every three weeks  
Engaged and motivated customer involvement and satisfaction

#### 🔧 Projects

Electronic Accident Form	A system to enable any Nebraska law enforcement officer to create and manage automobile accident reports online.
NDORCommon	A shared library used by multiple projects within Nebraska Department of Roads.
Salt Database	An NDORCommon-based system to track location and amounts of products used to prevent ice build-up.

### Senior Software Consultant

#### Election Systems and Software May 2012 - July 2012

⚙️ Architect

🌐 Mentor

#### 🏆 Accomplishments

Research and Recommend performance enhancements  
Research and Recommend development methodology enhancements

#### 🔧 Projects

Performance and development review	Review and recommend code enhancements for reliable and performant code
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### Senior Software Consultant

#### QA Technologies May 2009 – May 2012

🌐 Mentor

</> Senior Developer

🗄️ Database Consultant

#### 🏆 Accomplishments

Initiated Agile development process  
Automated release process  
Production moves every three weeks  
Engaged and motivated customer involvement and satisfaction

#### 🔧 Projects

Electronic Accident Form	A system to enable any Nebraska law enforcement officer to create and manage automobile accident reports online.
EnrollTrac	EnrollTrac is a custom application to validate and audit retroactive payment adjustment requests for Medicaid enrollment, disenrollment, and other changes coming from providers for the Center for Medicaid Services Bureau.

### KEYWORDS

Angular, TypeScript, JavaScript, C#, DotNet Core, ASP.NET, Entity Framework, MS SQL Server, Postgres, Redis, Docker, Linux, Windows, Azure DevOps, git, builds, releases, Azure App Hosting, AD B2C, Azure SQL, Node.js, npm, Express, VS Code, Visual Studio