DAVID WALKER

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WORK EXPERIENCE

TECHNICAL ARCHITECT – AGILETHOUGHT, INC
- Architect – Secure File Transfer System
- Architect/Scrum Master – Forms
- Consultant – Legacy Software Regulatory Updates
- Architect/Business Analyst/Developer – Tournament Management System

SOFTWARE ARCHITECT – NEBRASKA DEPARTMENT OF ROADS
- Architect/Developer - Finance System
- Technical Leadership Working Group - Lead technical direction

SENIOR SOFTWARE ENGINEER – ELECTION SYSTEMS AND SOFTWARE

SENIOR CONSULTANT – QA TECHNOLOGIES
- Architect/Mentor/Senior Developer - Nebraska Department of Roads
  - *Architect and Developer of NDOR Common*
  - *Architect and Developer of Electronic Accident Form*
  - *Mentor for Salt Database project*
  - *Mentor for all C# and VB projects*
- Architect/Lead Developer/Database Consultant – EnrollTrac
- Internal QA Technologies project

CEO / CTO – VORTEON, LLC
- Architect/Lead Developer – Online Banking Credit Card Application
- Secure DevOps – Online Banking Credit Card Application
- Architect/Senior Developer – SolutionsDesk Service Desk Application
- Architect/Lead Developer – SMTP Spam Filter Server
- Senior Developer – Ipoint Kiosk

CERTIFICATIONS

PROFESSIONAL SCRUM MASTER – PSM I
CERTIFIED SECURE SOFTWARE LIFECYCLE PROFESSIONAL – CSSLP

TECHNOLOGIES

VISUAL STUDIO, RIDER, WEBSTORM, VS CODE
ANGULAR, TYPESCRIPT, RXJS, HTML
C#, DOTNET CORE, ENTITY FRAMEWORK, TSQL, JAVASCRIPT, HTML, CSS
MICROSOFT SQL SERVER
AZURE DEVOPS
GIT

EDUCATION AND TRAINING

BS – COMPUTER INFORMATION SYSTEMS IN BUSINESS

WORK EXPERIENCE

Technical Architect – AgileThought, Inc

Architect – Secure File Transfer System

Manage requests for files
Securely transfer response files
1 million users
Angular/TypeScript -> DotNet Core/C# -> Sql Server/Redis/ElasticSearch/RabbitMQ

Architect/Scrum Master – Forms Management System

Create and edit custom forms
Store and display form responses
Angular/TypeScript -> DotNet Core/C# -> Sql Server

Consultant – Legacy Software Regulatory Updates

Analyze legacy system
Implement Regulatory Changes

Architect/Business Analyst/Developer – Tournament Management System

Manage Tournament Registration and Payments
Manage Tournament Scoring
Advertisement Display and Management

Software Architect - Nebraska Department of Roads

Architect/Developer - Finance System

Gathered business requirements from client
Researched legacy program and database structure to generate additional requirements
Architected a transitional migration with the legacy system continuing to function as components are replaced
Rewrite a COBOL, mainframe, DB2 system into a Windows Server, C# and SQL Server System
Agile development process with production moves every three weeks
Engaged and motivated customer involvement and satisfaction

Technical Leadership Working Group - Lead technical direction

Identify enterprise technical debt and create project proposals to eliminate it.
Eliminate old product versions and technologies to streamline development and operations.
Evaluate new products and product versions and plan upgrades.

May 2012 - July 2012

Senior Software Engineer - Election Systems and Software

Research and Recommend performance enhancements
Research and Recommend development methodology enhancements

May 2009 – May 2012

Senior Consultant – QA Technologies

Architect/Mentor/Senior Developer - Nebraska Department of Roads

Architect and Developer of NDOR Common
A common library used by multiple projects within Nebraska Department of Roads.

Architect and Developer of Electronic Accident Form
A system to enable any Nebraska law enforcement officer to create and manage automobile accident reports online.

Mentor for Salt Database project
An NDORCommon-based system to track location and amounts of products used to prevent ice build-up.

Mentor for all C# and VB projects

Architect/Lead Developer/Database Consultant – EnrollTrac

Created audit system to confirm that all records were processed and the results sent via encrypted email

EnrollTrac is a custom suite of applications based around Agility BPM utilized to validate and audit retroactive payment adjustment requests for Medicaid enrollment, disenrollment, and other changes coming from multiple providers for the Center for Medicaid Services Bureau.

Design, Develop, and Implement in C#: EnrollTrac Suite (Browser, Upload, Administration), and Integration with DocLanding Document Management System.

Design, Develop, and Implement: C# plugins for QA Technologies Agility BPM Product.

Mentor client's internal development team on .NET development and Microsoft SQL Server.

Internal QA Technologies project

Design and develop C#.NET programs to interface with and extend the functionality of QA Technologies Agility BPM Product

Translated Existing VB.NET Code to C#

Enhanced plugin architecture with both interface-based plugins and XML-based plugins

Technology: C#.NET, .NET remoting, and MS SQL Server

July 2000 – May 2009

CEO / CTO -- Vorteon, LLC

Defined Standards and Practices for projects/developers including Agile methodology and testing.
Designed and implemented projects designed for stability, reliability, ease of use, ease of development, high security.
Design and implement secure highly available hosting platform

Architect/Lead Developer – Online Banking Credit Card Application

Secure DevOps – Online Banking Credit Card Application

Designed and Developed FDIC-Compliant internet banking solution
Defined and Implemented secure, highly reliable, highly available coding standards
Implemented Change Management system
Provided Secure and Highly Available Hosting

Architect/Senior Developer – SolutionsDesk Service Desk Application

Defined Coding Goals and Practices focusing on reusability, flexibility, security, and scalability
Implemented Change Control and Change Management systems
Created advanced API Definition including Base API and Plugins
Remote Interface Definitions
Created Initial Implementation in VBScript/ASP
Technology: VB.NET, ASP.NET, MS SQL Server (2000,2005), VBScript, ASP

Architect/Lead Developer – SMTP Spam Filter Server

Designed and Developed e-mail proxy server for SPAM identification and blocking

Senior Developer – Ipoint Kiosk
Developed and Implemented Flash-based eyeglass try-on interface

CERTIFICATIONS

Professional Scrum Master – PSM I
Certified Secure Software Lifecycle Professional

TECHNOLOGIES

Visual Studio, VS Code, Rider, WebStorm
Angular, TypeScript, JavaScript, HTML, CSS, NodeJS, npm
C#, DotNet Core, ASP.NET, Entity Framework
ElasticSearch, MS SQL Server, Redis, RabbitMQ, Docker, Linux
Generic programming in C#
Extension Methods
Test-driven development
Layered development
Dependency-Injection

Microsoft SQL Server
Database Design
Data Normalization
TSQL Queries and Stored Procedures

Azure DevOps
Automated build scripts, shelving, branching and merging, work item queries, TFS API

GIT

EDUCATION AND TRAINING

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