



# Kevin S. Templer

Senior Software Developer

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## Professional Profile

- Learns new technology quickly
- Craves new challenges
- Enjoys problem-solving
- Well versed: Desktop, Web, Server-Side (backend), Windows Services, Embedded Hardware, Docker/Containers
- Enjoys working collaboratively
- Seasoned professional in Object-Oriented Design, unit testing, refactoring, code analysis
- Cares about secure programming standards and OWASP standards

## Technical Acumen

### Software Development

Object-Oriented Design  
Domain Driven Design  
Language Design  
Unit Testing/Test-Driven Development (TDD)  
REST APIs (making them awesome)  
Project Management  
User Interface Design  
Web 2.0  
Compiler Writing

### Languages

.NET/.NET Core/C#	Java
C/C++/Assembly	JavaScript/jQuery
MySQL/T-SQL	PHP

### Frameworks

.NET Core	AngularJS
MVC	Node.js
Docker/AWS	WPF

### Environments

Visual Studio	IntelliJ/Eclipse
Docker/AWS	Windows/PowerShell
Linux	GitHub/BitBucket
Git	

## Professional Experience

### Senior Software Developer

05/15/2016 - Present

Kforce (consultant to Capital Group)

San Antonio, TX

#### eStub Upgrade with Windows 10 (12/2018 – Present)

Early stages of project, as tech lead, analyzing eStub configuration and infrastructure. Will learn how the eStub process works, make recommendations, and execute action plans as necessary.

#### Project Consultant (10/2018 – Present)

Support developers in various areas including Personal Folder Removal, Workflow Utilization (Work Capture Reports enhancements) and AWD Adapter development and support. Helping with Code Reviews and project design for SASI Opex Scanner re-write.

#### Work Capture for Reports and Email (02/2018 – 05/2018)

Built two separate work capture services deployed to production:

**Reports** – Built a Windows service which creates work sources in AWD from DAVAST-generated .pdf report files. The code includes effective automated integration tests to ensure quality operation in prod, reducing QA time and tasks.

Created a process to on-board new reports quickly and easily without requiring code changes.

**Email** – Built an email service which creates work sources in AWD from emails and attachments in Exchange Server.

Built a common AWD SOAP interface library into a NuGet package for CG consumption.

#### Personal Folders Removal Project (06/2018 – present)

##### Dev Lead

Facilitated and contributed to code remediation/refactoring and design to remove AWD personal folders dependencies across four applications in .NET and Java. Learned the business impacts quickly and helped junior and senior developers to complete modifications for SHARE, CAS and CD/SDA. Removed InstallShield packaging for AWD .NET Adapter and dependent applications and repackaged using WIX, the CG standard desktop installer.

#### AWD Adapter Bug Fix and Support (08/2017 – 10/2017)

Worked on .NET AWD Adapter to fix bugs and understand its architecture. Took initiative to improve its build infrastructure.

#### Recommendation Service Refactor POC (12/2017 – 02/2018)

Worked with Michael Anderson to rewrite the SIA Recommendation Service (originally in Java) in .NET Core. Rewrote the basic functionality in one week. Developed a .NET Core NuGet package to support CyberArk. Demonstrated POC by running service on OpenShift.

#### Foundation Services Modernization (08/2017 – 03/2018)

Worked closely with Jo Worthington to build a technical roadmap for modernizing the Service Info & Analytics (SIA) codebase architecture. Analyzed code infrastructure and SQL database environments and developed a plan to arrange the code into a Service-Oriented Architecture (SOA) composed of smaller services.

#### Future Servicing Desktop (FSD) (05/15/2016 – 08/2017)

Worked with business stakeholders and product owners to build replacement software for the legacy enterprise system, SHARE. Ramped up quickly within a complex codebase and immediately contributed value to the development teams. Used WPF and MVVM architecture in a complex financial investment desktop client involving many data systems and technologies.

## References at Capital Group

- Michael Anderson (MCXA)
- Jarret Blow (JRTB)
- Peter DiSalvo (CONPERD/PTRD)
- Paul Barrera (PAUB)

## Education

Master of Science in Computer Science - 1998  
University of Texas at San Antonio

Taught two semesters of introduction to C++ at  
UTSA while in grad school.

## Publications

A Configurable C Instrumentation Tool for ANSI C  
(1998) – K. Templer, C. Jeffery  
Cited in over 53 publications.  
<https://www.computer.org/csdl/proceedings/ase/1998/8750/00/87500249.pdf>

Schroeder, J.E., & Templer, K.S. (1999). Announcing  
an Exciting New Development for REACH Interface  
Author. Paper presented at CSUN 1999  
Conference, Los Angeles, CA.

Schroeder, J.E., & Templer, K.S. (1998). A  
multimedia interface for augmentative  
communication, text entry, windows management,  
and user assessment. Published by the Center on  
Disabilities, California State University at Northridge  
on the Internet.

Schroeder, J.E., & Templer, K.S. (1998). REACH  
Interface Author: A New Comprehensive Program  
for Easier Windows Management, Text Entry, and  
Augmentative Communication. Presented at  
Closing The Gap 1998 Conference, Minneapolis,  
MN.

Schroeder, J.E., Templer, K.S., & Phillips,  
N.P. (1990). PC-based software and apparatus for  
using simple and choice reaction time to detect  
alcohol in humans. Southwest Research  
Institute: Apparatus and software.

Schroeder, J.E., Templer, K.S., & Phillips,  
N.P. (1990). PC-based software and apparatus for  
using motor steadiness and tracking performance  
to detect alcohol in humans. Southwest Research  
Institute: Apparatus and software.

## Notable Interests

Founder of non-profit 501(c)(3) organization Aikido  
of San Antonio, serving the community for over 20  
years, operating a school and teaching at Aikido of  
San Antonio

Sixth Degree Black Belt in Aikido

Avid Amateur Classical Pianist  
(Played at Carnegie Hall)

## Senior Software Consultant Denim Group

02/01/2014 – 05/01/2016  
San Antonio, TX

### Senior Developer

Client #1 **.NET/MVC/C#** - Turned around a failing project involving NHibernate, AutoFac, a Web application using .NET/MVC/C#, and Windows Client software. Project required constant communication with customers in a professional reassuring manner. System interfaced with various hardware devices: barcode readers, RFID readers, HID readers, video cameras. Within one month of hire was nominated for an award.

Client #2 **C++** - Developed IIS/ISAPI filter in C++/Windows DLL requiring use of AES 256 bit encryption/decryption to fix unencrypted cookies that were a security risk.

Client #3 **.NET/MVC/C#** - Worked on a yearlong project with a team of up to twenty developers/QA. Developed and designed solution components to a constantly-evolving major healthcare web application project, including unit tests. Was repeatedly tasked to solve hard problems and architect large-scale solutions.

Internal POC work - **Docker/Tutum/AWS** - Created a proof of concept platform to turn a single-user Java web application into a multitenant system, complete with distributed database, web server, and reverse proxy. Implemented using Node.js, Docker architecture, and Tutum (swarm container service) REST API.

### Application Security Analyst

- Built a threat model for a major company (used Microsoft Threat Model Tool). Analyzed implementations of OAuth security architecture for internal web services and made recommendations to improve its security.
- Performed penetration testing on web applications for various clients using OWSAP Zap, Burp, and AppScan.
- Served as technical lead of three people for a million-dollar project. Provided security assessments for web and mobile applications and OWASP security training for the client's software development staff.
- Intimately familiar with web application and thick client security vulnerabilities and how to mitigate them.

## Chief Software Architect (Consultant) Target-Strike, Inc.

2008 - 01/01/2014  
San Antonio, TX

**Mineral Data Analysis Tool** - Designed a web application that provided visualization for mineral exploration data mining algorithms. Used AngularJS, jQuery, Bootstrap, and Google Earth integration. Created a REST API using C# ASP.NET, and SQL Server that integrated with Bureau of Land Management SOAP interface.

## Lead Software Manager/Developer Applied Human Factors, Inc.

1992 - 02/01/2014  
San Antonio, TX

Chief Software Architect for over five C++ windows desktop applications. These applications were for people with disabilities, considerably improving their overall quality of life.

**REACH** Managed and developed flagship product with small teams of developers. Lead designer and architect of graphical user interface enabling users with motor disabilities to use a computer, speak and communicate. Innovated unique strategies to increase typing rates (up to 50%) for severely motor-impaired individuals. Support of Windows 3.1 to Windows 10 with ongoing sales worldwide.

**SoothSayer** Managed team of three to develop word prediction software for users with low motor skills. Created first-of-a-kind "caret-tracking" system enabling users to maintain focus on typing. Oversaw the internationalization of software into Italian, Swedish and Spanish with ongoing sales worldwide.

**ScanBuddy** Responsible for design and management of product that helps users who can only click to point-and-click. Ongoing worldwide sales.

**OneWay** Development of software enabling users, who can only move a pointer in one direction, to point and click anywhere on the screen. Ongoing worldwide sales.