# SCOTT DORMAN

*Software Architect, Developer, Author, Leader*

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## ABOUT

With more than 30 years of experience in the development industry, I have worked in multiple roles for small start-ups and Fortune 500 companies. Leveraging my strong computer science and communications background, I can effectively communicate between technical and business teams. I have led and mentored teams of varying sizes and compositions, assisting companies in establishing processes, code standards, and guidelines. Although my current focus is commercial software application development, I enjoy developing infrastructure components and reusable shared libraries.

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## SKILLS

- Development lifecycle
- Project Management
- Management/Leadership
- Mentoring
- Agile/Scrum

- Technical/system architecture
- UI/UX
- .NET, .NET Core, C#
- REST/RESTful APIs

- API and class libraries
- ASP.NET/MVC, Bootstrap, HTML/CSS, SASS, JavaScript/jQuery
- SQL Server, T-SQL

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## AWARDS AND CERTIFICATIONS

Microsoft MVP – Visual C#                                        2008 - 2020

MCPD – Windows Desktop Development                              2007

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## EXPERIENCE

### DevEvolved                                              4/2015 – Current

*I founded DevEvolved to offer top-notch software solutions that leverage modern design principles, clean code, and simple approaches. As the person in charge of software development and client relations, I handle all aspects of the process.*

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### Software Architect/Developer – Siemens (4/2015 – Current)

c# sql-server user-interface user-experience jquery javascript ajax css less twitter-bootstrap-3 bootstrap-4 html asp.net-mvc agile scrum architecture

As the software architect and developer, I was responsible for rewriting a bonus compensation management system from Access to a SQL Server back-end with a web-based front-end. Siemens US, Siemens Canada, Siemens Healthineers, and many smaller subsidiary companies use this multi-national application for managing bonus compensation, planning, auditing, and reporting. My duties included analyzing the legacy system and business processes, designing the system architecture and technical aspects, developing the application and database, and training the team.

An employee-facing portal site was also developed, allowing employees direct access to their compensation information. This includes the ability for supervisors to review their direct reports, finance managers to forecast results and payouts, and finance and sales managers to define their compensation plans rather than relying on the compensation team to take their information and design the plans for them.

*Senior Architect/Lead Developer – HiQuest (4/2020 – 1/2022)*

c# user-interface user-experience jquery javascript css bootstrap-4 html asp.net-mvc agile scrum architecture ping identity ciam

I utilized the Ping Identity infrastructure as a solutions architect and developer for Customer Identity and Access Management (CIAM) solutions. My responsibilities included designing and creating custom user interface flows and developing a C# API wrapper library for the Ping Identity endpoints. Additionally, I offered technical support to companies integrating Ping Identity solutions into their existing code bases.

InfernoRed Technology                                                    5/2014 – 4/2015

*Senior Software Developer*

c# xaml windows-universal windows-runtime windows-phone-8.1 windows-store-apps jquery javascript ajax css less twitter-bootstrap-3 html asp.net-mvc agile scrum architecture

As a senior-level developer and team lead, my primary role was to oversee website development projects. My responsibilities included designing and implementing technical systems, providing technical mentoring and assistance to other team members, and ensuring the project's smooth development.

Accusoft                                                                 1/2013 – 5/2014

*Senior Software Developer*

c# jquery javascript ajax css less twitter-bootstrap-3 twitter-bootstrap-2 html asp.net-mvc agile scrum architecture

As part of my role, I had the task of revamping the company's customer portal that faced the public. I utilized ASP.NET MVC and created a custom membership provider integrated with the SalesLogix CRM software to achieve this. Additionally, I implemented a new payment system for customers to pay their invoices, ensuring PCI compliance. I also developed an e-commerce system that seamlessly integrated with SalesLogix. Finally, I created a web-based sales opportunity feature that replaced the standard experience with a customized one that catered to our sales team's needs.

BST Global                                                               1/2007 – 6/2012

*Senior Software Developer/System Architect (10/2010 – 6/2012)*

c# wcf api agile scrum architecture code-review project-management

I had various responsibilities as a senior software developer, team lead, and system architect for the platform API team. This platform was a core API and set of WCF Windows services that the design tools and desktop client utilized. I reviewed the architecture of the existing legacy code base and streamlined the public API interface. I focused on ensuring the API was responsive, developing and approving architecture designs for new features, creating core API components, and mentoring other team members.

*Senior Software Developer (1/2007 – 10/2010)*

c# vb.net wcf xaml wpf winforms xml xslt msbuild cruisecontrol.net jira agile scrum architecture

I was the leading developer for the "Design Studio" tool suite in the upcoming release of the BST Enterprise project. These tools allowed business analysts to create XML-based models for business entities, security primitives, and workflows that formed the core data layer of the application. The tools utilized WCF services to communicate and interact with Windows services to verify and publish the model information to the database. The primary design tool used Windows Forms and C# 4.0.

Additionally, I developed an automated continuous integration build process using CruiseControl.NET and MSBuild. This process customized the CruiseControl.NET installation by adding extensions and custom XSL

stylesheets to format the build email and web dashboard reports. I also developed MSBuild extensions and standard target files.

I helped establish the Jira workflow to track issues throughout the product lifecycle. I also assisted in creating custom integration between CruiseControl.NET, Team Foundation Server (TFS), and Jira, which allowed for relationships between Jira issues, TFS work items (for check-in policies), and builds.

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**Sunbelt Software**                                                                          9/2004 – 12/2006

*Senior Architect/Lead Developer - Network Security Inspector (8/2006 – 1/2007)*

*[This change resulted from an organizational change that consolidated several management positions into two Director of Development positions.]*

c# winforms user-interface user-experience xml architecture

As a senior-level developer and team lead, I oversaw the SNSI 2.0 release, which involved porting from C++ to C# 2.0 and using a web-services-based vulnerability scan engine. I handled all aspects of the product, including defining the requirements, creating marketing descriptions, designing user interfaces, and managing technical architecture and implementation.

*Application Development Manager – Network Security Tools (10/2005 – 8/2006)*

c# c++ winforms user-interface user-experience xml architecture project-management code-review architecture

I transitioned to C# 2.0 by transferring the Sunbelt shared code library to C# 2.0. I improved the code base to utilize newer language features, like generics. I also added more classes to the library that previously were only used in individual products or the source code.

I led a team of five developers, four remote (three in India and one in Spain), to consolidate all Sunbelt network security tool development into one team. The tools included the Sunbelt Network Security Inspector (SNSI), LanHound (later sold to another company), and the Sunbelt Personal Firewall.

I also played a crucial role in designing future releases, which involved contributing to product, technical, and testing requirements documents, tracking development timelines, negotiating features, and managing change processes.

*Senior Architect/Lead Developer – CounterSpy Enterprise (9/2004 – 10/2005)*

c# winforms soap cruisecontrol.net nant code-analysis code-standards architecture

While with CounterSpy Enterprise, I was a senior-level developer and team lead for three product releases. This enterprise-ready application used a variety of technologies, including C# Windows services and Windows Forms applications, C++ Windows services, MFC applications, and Visual Basic 6 components (DLLs and executables).

My responsibilities included technical design and system architecture, integrating it with other Sunbelt technologies such as the Sunbelt Spyware SDK, system development, and providing technical mentoring and assistance to other team members.

I was instrumental in implementing software development lifecycle methodologies, including creating and documenting formal code style and quality standards, standard code reviews, and design reviews. Additionally, I implemented static code analysis using FxCop.

I also developed a consistent automated continuous integration build process using CruiseControl.NET and NAnt, which was shared across three development teams. This process involved customizing the CruiseControl.NET installation to add custom extensions and XSL stylesheets to format the build email and web dashboard reports.

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**UnitedHealth Technologies**                                                                 9/2002 – 9/2004

*Application Services Manager (5/2003 – 9/2004)*

c# asp.net webforms javascript css html architecture user-interface user-experience project-management code-review code-standards

I led a team of 5 developers in creating the latest version of the ODAR application. I redesigned the application's architecture to enhance the Accounts Receivable (AR) system. I streamlined all applications under a unified framework model written in C# that acted as the application's run-time library. This framework supported a business layer shared across all the application layers and various application interfaces like ASP.NET WebForms, traditional Client/Server applications, and C#-based Windows Services.

*Senior Application Developer (9/2002 – 5/2003)*

c# vb6 vb.net asp.net webforms javascript css html dhtml xml xslt xpath db2 sql-server user-interface user-experience architecture

As a senior-level developer and team lead, I worked on a series of applications that created a claims management system for the Audit and Recovery Operations (ARO) department. The system tracks overpayments and recoveries and generates refund request letters. The goal was to support an annual target of approximately $225 million by ARO.

The web application used ASP, extensive DHTML, and CSS for a standard Windows GUI interface. VB COM+ components, XML, XSL, and XPath queries. The database was migrated from IBM DB2 on Windows 2000 to SQL Server 2000 on a clustered Windows 2000 server.

In addition to the web-based application, a supporting VB 6 application was rewritten as a Windows Service using VB.NET to provide multi-threading capabilities and then rewritten to C#.

This application was launched nationally across all UnitedHealth ARO departments in December 2002. It was considered a commercial application and was a significant success.

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Connextions.Net                                                                 10/2001 – 8/2002

*Senior Application Developer*

vb6 asp-classic javascript css html xml xslt xpath sql-server-2000 user-interface user-experience architecture project-management code-review code-standards

I served as a team lead and senior-level developer on multiple projects utilizing various technologies such as ASP, VB COM+ components, XML, XSL, and XPath queries, SQL 2000 databases, SharePoint Portal Server, E-Gain, ASPECT voice systems integration (CTI), Call-Center CRM applications, and fulfillment/shipping/warehouse integration systems. As part of my responsibilities, I provided technical design and architecture, system development, and technical mentoring to other team members. Additionally, I ensured the project stayed within budget, managed risk reduction, handled project and resource scheduling, and met client expectations.

I also provided on-call support to Network Services for development support on production client problems. I helped the application support team with RFQ/RFP initiatives for time and staffing estimates and initial technical designs.

I participated in infrastructure design and development, which involved developing and documenting our design/development methodology and creating standard document templates such as System Design, Risk Reduction, System Requirements, RFQ/RFP, and System Test Plan templates.

Furthermore, I developed a set of standard infrastructure components and tools that provided a common framework for data validation, data access, error handling, session management, site configuration, and common utility functions. These components simplified the development process to a "building-block" style, allowing developers to use and extend the standard components and write project-specific ones. I also developed high-level infrastructure components, which included internally used applications for time-tracking facilities, work order request management, and resource scheduling.

*Clients:*

- Blue Cross/Blue Shield of Florida [shopblue.bcbsfl.org]

- Blue Cross/Blue Shield of Florida [internal call center site]

- Pearson Education, Inc. [help.englishsuccsess.com]

- Vector Group, Inc. [internal call center site]

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Osprey Systems, Inc.                                                                          3/1999 – 3/2001

### Senior Consultant - Debix Systems, Inc.

vb6 asp-classic vbscript css html sql-server user-interface user-experience architecture project-management

*[Debix Systems, Inc. closed operations in 2002. College Parents of America has since changed providers for this feature.]*

I was the primary developer of a B2C website that sold stored-value, pre-paid charge cards backed by the MasterCard Network. I provided technical architecture and design support for the website, database, and hardware infrastructure. When the site became a B2B site, I continued as the primary developer, assisting with technical architecture, design, and integration into the existing site. Eventually, the site evolved into a platform where I helped integrate the back-end processing logic with the Beenz website. Furthermore, I assisted in porting the entire site to a new client, College Parents of America.

Apart from my development responsibilities, I also acted as a technical lead and mentor to a team of 12 developers, 3 graphics designers, and 3 business consultants. I helped the project manager schedule and estimate completion times, delegated development assignments, ensured development work was within budget, and maintained quality control. We used SiteServer Commerce Edition, ASP, VB DLLs, a clustered SQL Server database, and load-balanced web servers. We also integrated with two banks for product fulfillment and one mailing center for promotional pre-mailers. Additionally, I developed a custom management and call center application.

### Senior Consultant - Jeffers Pet

vb6 asp-classic vbscript css html sql-server user-interface user-experience architecture project-management e-commerce

I worked on a B2C website project for a Veterinary Supply company. Our task was to create a website catering to the "small pet" market, which included cats, dogs, birds, and other exotic small pets. As the sole developer, I collaborated with a business consultant and a graphics designer. I also worked with a Senior Consultant to plan and design the technical architecture, database, and hardware infrastructure. The website used SiteServer Commerce Edition, ASP, and SQL Server. Additionally, I contributed to the development of a custom management site.

### Senior Consultant - Lowes – Reliabilt Doors

vb6 asp-classic vbscript css html sql-server user-interface user-experience architecture e-commerce

*[Lowes has since removed the online store capabilities of this site and has chosen to sell this product only in the retail market.]*

As part of a team of three developers, I helped create a website for a client. My responsibilities included designing the technical architecture and database, which included a custom nine-step configurator entirely driven by the database. Even though a typical project of this size would take 3-6 months to complete, we finished in just one month. The website is a B2C site built using SiteServer Commerce Edition, ASP, and SQL Server.

*Technical Resource/Mentor*

I provided technical guidance and mentoring to developers and business consultants working with our clients.

*Clients:*

- Cracker Barrel Old Country Stores [www.crackerbarrel.com]

- Hendrick Motor Sports [www.hendrickmotorsports.com]

- Jack Henry & Associates – FormSmart [www.formsmart.com]

- Parkdale Mills

Lockheed Martin Electronics & Missiles                                                8/1993 – 3/1999

*Intranet Webmaster/Systems Administrator – Scientific Computing Operations Center (1/1997 – 3/1999)*

unix shell cgi apache php sysadmin oracle ms-access access-vba user-interface user-experience

As a department member, I built an Intranet site using an Apache web server on an HPUX 9.x server. The site utilized a UNIX shell script and provided read-only access to an Oracle 7.3.3 database on another HPUX 9.x server. As a UNIX systems administrator for Sun, HP, and SGI systems, I managed NFS and NIS support across two NIS domains and user and application support (installation, maintenance, and user support).

I led a process improvement group and participated in the configuration and control board, contributing to the department's policies and procedures. I automated the software license tracking process and streamlined the software inventory process by creating a Microsoft Access back-end data source and a front-end GUI application.

I also developed and improved a set of shell scripts that facilitated workstation and server hardware health and configuration tracking. These scripts ran daily on all UNIX workstations and servers (Sun, HP, and SGI), which amounted to around 1000 systems.

*Staff Engineer – Comanche EOSS (8/1993 – 12/1996)*

unix c ada assembly php mysql oracle oracleforms apache user-interface user-experience

I developed embedded process software using C, Ada, and Texas Instruments DSP Assembler. As part of my responsibilities, I wrote the TI DSP self-test routines for hardware diagnostics. I also worked on implementing a serial communication layer in Ada between the software user interface and servo motor controls.

In addition, I assisted in the Comanche Software Library, which involved updating policies and procedures, data storage, and using an Oracle Forms application. I also helped prepare technical documents using FrameMaker. I also created a set of CASE utilities written in C for Teamwork and developed the preliminary Comanche Intranet site. This site ran on a SunOS system, used the Apache server, and utilized PHP as the scripting language connected to a MySQL database.

INDEPENDENT SOFTWARE DEVELOPMENT EXPERIENCE

*Medical Information*

c# silverlight windows-phone-7

A digital medical information card similar to the one many people carry in their wallets.

- Windows Phone

*Flash Cards: Sight Words, Numbers, Alphabet, Shapes*

c# xaml windows-store-apps

These are individual flashcard apps, the digital equivalent of paper flashcards, to help young children (pre-school through Grade 3) learn sight words, recognize numbers (and learn to count), upper/lower-case letters, and basic

shapes. These were written in C# and XAML and ran on Windows 8 and Windows RT. The applications leveraged a reusable code base, allowing the easy creation of new flashcard applications.

- Sight Words
- Numbers
- Shapes
- Alphabet
- Colors

## OPEN SOURCE PROJECTS

*https://github.com/scottdorman*

### bootstrap-flat

Creator, Primary Contributor

css less

A simple flat theme for Bootstrap 3.

### Cadru

Creator, Primary Contributor

c#

A helpful utility framework containing new APIs and extensions to the core .NET Framework to help complete your developer toolbox.

### MSBuildContrib

Creator, Primary Contributor

C# msbuild

Tasks and tools that aren't part of the main MSBuild release. This is primarily a port of the tasks available in NAntContrib.

### jQuery goTop

Creator, Primary Contributor

jquery javascript

jQuery goTop is a <2KB scroll-to-top jQuery plugin.

### Essential Extensions

Creator, Primary Contributor

visual-studio visual-studio-extension

A set of extension packs to create the ultimate Visual Studio editor experience.

### assembly-build-versioning

Creator, Primary Contributor

assembly-versioning msbuild

A standardized mechanism that supports shared/common assembly versioning at build time through MSBuild.

### microsoft-terminal-settings

Creator, Primary Contributor

terminal-themes

A collection of Windows Terminal profiles, color schemes, and other settings.

*danvers*

Creator, Primary Contributor

jekyll-theme blog-theme jekyll-blog

A Bootstrap 4-based Jekyll blog theme.

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PUBLICATIONS

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## Books

*Sams Publishing*

- Sams Teach Yourself Visual C# 2010 in 24 Hours

- Sams Teach Yourself C# 5.0 in 24 Hours

- Sams Teach Yourself C# 6 in 24 Hours (working title, available July 2015)

- Sams Teach Yourself Windows Phone 7 Application Development in 24 Hours

## Articles

*The Code Project*

- SafeHandle and Constrained Execution Regions

- Using managed code to detect what .NET Framework versions and service packs are installed

- Using managed code to detect if IIS is installed and ASP/ASP.NET is registered

- Data Binding an Enum with Descriptions

- Implementing IDisposable and the Dispose Pattern

- An easy-to-use URL file downloader class for .NET

- CodeProject Forum Guidelines

*InformIT*

- Understanding Classes and Objects the C# Way

- Code Contracts in .NET 4

- Choosing an Application Framework for Windows Phone 7 Application Development

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SPEAKING ENGAGEMENTS

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*Asynchronous Programming in .NET 4.5*

- Southwest Florida Code Camp (2012)

- Tampa Code Camp (2012)

*Chalk Talk – Code Style and Standards*

- Microsoft TechEd (2007 [BOF11], 2008 [BOF864])

- Orlando Code Camp (2012, 2019)

- South Carolina Code Camp (2007)

- South Florida Code Camp (2008, 2009)

- Southwest Florida Code Camp (2008, 2009, 2010, 2012)

- Jacksonville Code Camp (2008, 2007)

- Tampa Code Camp (2007, 2012, 2017)

*Garbage Collection in .NET*

- Jacksonville Code Camp (2007)

- South Carolina Code Camp (2007)

- South Florida Code Camp (2008)

*Memory Management Fundamentals – Garbage Collection Deep Dive*

- Accuosft (2013)

- Jacksonville Code Camp (2008)

- Orlando Code Camp (2008, 2009, 2011, 2012)

- Sarasota Developers Group (2009)

- South Florida Code Camp (2009)

- Southwest Florida Code Camp (2008, 2009, 2012)

- Tampa Code Camp (2008, 2009, 2010, 2012, 2014, 2017)

*Memory Management Fundamentals – IDisposable and the Dispose Pattern*

- Accusoft (2013)

- Jacksonville Code Camp/Code Impact (2008, 2017)

- Orlando Code Camp (2008, 2009)

- Sarasota Developers Group (2009)

- South Florida Code Camp (2009)

- Southwest Florida Code Camp (2008, 2009, 2012)

- Tampa Code Camp (2008, 2009, 2010, 2014, 2017, 2018)

*Understanding Lambda Expressions*

- Southwest Florida Code Camp (2009)

- Tampa Code Camp (2008, 2009)

*What's New in C# 4.0*

- Southwest Florida Code Camp (2010)

- Tampa Code Camp (2010)

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COMMUNITY INVOLVEMENT

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*Codestyle.co*

creator

An open-source initiative that centralizes code style and standards guidelines, which are maintained as an open GitHub repository to allow easy community involvement in maintaining the standards.
https://codestyle.co

*Languagespecs.info*

creator

An open-source initiative that provides an easy way to find the formal language specification for your favorite programming languages.
https://languagespecs.info/

*WP Requests*

creator

A UserVoice community site lets companies easily gauge the interest in their app on Windows Phone.
http://wprequests.uservoice.com

*WinStore Requests*

creator

A UserVoice community site lets companies easily see just how much interest there is in seeing their app as a Windows Store app.
http://winstorerequests.uservoice.com

*TampaDev*

co-founder

TampaDev is a "meta" group designed to help the broad developer community have a single and centralized resource to find meetings and user group information.
http://www.meetup.com/TampaDev/

*Hour of Code*

host

I hosted an Hour of Code, a one-hour introduction to computer science designed to demystify code and show that anybody can learn the basics with support and material from Hour of Code and Code.org.
http://hourofcode.com/us/

- December 2013

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EDUCATION

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**University of Central Florida** 12/1997

*Orlando, FL*

*Bachelor of Science – Computer Science*

- General programming/software engineering
- Database theory/design

*Bachelor of Arts – Interpersonal Communication*

- Organizational/Business Communication
- Small Group Theory and Dynamics