Sam Elmore, CEO & Founder, Craftsman Solutions, Inc.

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Sam Elmore has been working as a computer programmer and technician since 1992. He started his first computer consultancy, ASE Consulting, at age 16, and has worked with a large and diverse group of clients over that time, many of which are long-term, multiple-year contracts. His clients have ranged from web startups to industrial manufacturing facilities, and he has supported them in projects from simple network setup to complex ground-up development and ongoing management of a business management software solution.

In 2009, Sam established Craftsman Solutions, Inc. to expand his team and his reach, and to better serve his growing client base.

Skills

Problem Solving, Software Analysis & Design

Sam's passion in development is finding elegant solutions to difficult problems. He enjoys breaking a problem down into its most simple form. From discovering what objects will need to be created to the down and dirty algorithms found within those objects' methods, he enjoys it. Able to see higher level patterns in code design, he reuses these patterns where appropriate, which improves the quality and simplicity of his code.

Sam has studied various software development methodologies. It was his responsibility at his previous two jobs to help implement processes and methodologies to help improve development efforts. He now primarily utilizes an "agile" method to provide fast turnaround and immediate feedback to his clients.

Database Analysis, Design & Administration

Sam has been working with databases for since 1992. Standard concepts such as normalization, relationship constraints, and data integrity are second nature. Data warehousing has become a recent interest, helping to bridge the gap between the data analyst and the transactional database. Because databases are often central to many business applications, general performance tuning has become very important. From tuning indexes and queries to rearranging data for easier querying, Sam has done it.

Windows & Web Application Development

Sam has been developing Windows applications to some extent since Windows 3.1 hit the market in a major way. This has included using C (painful), C++ and the MFC, and more often than not, Visual Basic for it's rapid development capabilities. Sam now uses the Microsoft .Net environment almost exclusively for windows and web application development, finding it to be a great platform for rapid development as well as long term maintenance and growth.

A main focus of Sam's recent work has been web application development. This has involved the now-typical three tier model. The database and middleware is where his interests lie, with an occasional reluctant venture into the client side programming. Sam has worked on all standard web application types such as shopping carts, portals, and more.

Experience

Craftsman Solutions, Inc., CEO & Founder   **2009 to present**

ASE Consulting and Desktop Publishing, Owner   **1993-2008**

Sam founded and managed all aspects of this consulting business, maintaining a solid base of 2-3 small-business clients throughout that time. During this time, Sam developed his automated build tool that all his clients use. Built upon Nant (a custom C# Nant add-in) and using CruiseControl.net to interface with source control and schedule the builds, this tool builds the executables and finally executes all automated unit tests in software development. It also builds the database using the change scripts created during development, comparing against the development database to ensure the scripts match the expected database design. This continuous building and testing of the database and software provides a high level of confidence for deployment of any clients application.

Fios, Inc., Senior Software Engineer   **2003-2004**

Sam's position at Fios had him working in Microsoft C# and Microsoft SQL Server. He was responsible for maintaining and upgrading the client-facing web application, as well as internal backend data processing software. Fios' backend software was responsible for processing large amounts of data, giving him good experience with large SQL databases and high throughput data processing patterns.

OakTree.com, Senior Web Technology Engineer   **2003**

Sam's role at OakTree.com picked up where he left off in 2001, when he first worked for the company. His responsibilities involved training the software engineers in .NET technology, developing a reusable framework to be used in various client projects, and working on those client projects.

Finatus, Inc., Senior Software Engineer   **2001-2003**

Sam's responsibilities at Finatus, Inc. involved software development using technologies such as Microsoft ASP, ASP.net, Visual Basic, SQL Server 2000, and Microsoft .NET (C# & VB.net). He was responsible for maintaining the integrity of the database as the company's software grew and evolved. Other duties involved contributing to the technical standards and overall architecture of Finatus' software. He created code libraries to facilitate better code reuse at the company.

OakTree.com, Senior Web Technology Engineer   **1997-2001**

Sam's role at OakTree.com was to develop web software for clients using technologies such as Microsoft ASP, Visual basic, COM/COM+, SQL Server, XML and more. Internally, he led the technical standards and direction for OakTree.com's engineering group. He provided training to the OakTree.com staff on various technologies, including source control, database design, and coding standards. He researched and implemented processes to make OakTree's software estimates more reliable and accurate, and worked with other teams within the company to ensure consistent specifications and processes across the wide variety of projects OakTree executed.

Microsystems for Education and Business, Inc., Programmer **1992-1996**

Sam programmed various internal and commercial applications for Microsystems Inc. using the Visual Foxpro, Visual Basic, and Visual C++ programming languages. He wrote internal tools to help process the large volumes of data the company dealt with on a daily basis. He contributed to the development of a testing system Microsystems sold commercially.

Technologies/Languages

- Microsoft .NET (3.5, 2.0, 1.1 & 1.0) (C#, WinForms, ASP.Net) (since 2000)
- Microsoft Linq (since 2008)
- Microsoft SQL Server database analysis, design, programming (TSQL) and administration (since 1996)
- Ajax and Jquery development(since 2003)
- HTML, CSS, JavaScript, DHTML (since 1996)
- Nant, Nunit, CruiseControl.Net programming (since 2001)
- Extensive Microsoft Visual Basic programming (since 1999; note: deprecated technology))
- Object oriented analysis and design (since 1994)
- Microsoft COM/COM+ and MTS experience (since 2004; note: deprecated technology)
- Templates/generic programming (since 2007)
- XML, SOAP (since 1999)
- Visual SourceSafe (end-user and administrative) (since 1994)
- Microsoft IIS Administration and ASP/ASP.net programming (since 1999)
- Windows NT and Windows Server 2000/2003/2008 system administration and networking (since 1999)
- Crystal Reports (since 1999)
- Microsoft Access 2002 (since 2001; note: deprecated technology)
- Cold Fusion (since 2008)

Professional Certifications

- Microsoft Windows 2000 Certified Systems Engineer (MCSE, December 2002)
- Microsoft Certified Database Administrator (MCDBA, June 2002)
- Microsoft Windows 2000 Certified Systems Administrator (MCSA, March 2002)
- Microsoft NT 4.0 Certified Systems Engineer (MCSE, September 1998)