

## CAREER SUMMARY

- Over 35 years of successful consulting, generating value for businesses.
- Numerous references from satisfied clients and customers.
- Invented, developed and marketed a commercial software product: MindModel

## SOFTWARE DEVELOPMENT SKILLS

**Web Front End:** HTML5, CSS3, Bootstrap 4, JavaScript, jQuery, jQuery UI, ASP.Net Core MVC, ASP.Net Web Forms, DevExpress ASP.Net Controls, Telerik ASP.Net Controls, Chrome Dev Tools, Firebug, Squarespace, WordPress, eXpressApp Framework (XAF), SharePoint.

**Web Services:** .Net Core Web API, WCF, Asmx, REST.

**Integration with:** Auth0, Twilio SMS, Plivo SMS, Vimeo, Office 365, Stripe, Squarespace.

**Back End:** .Net Core, .Net Framework, Microsoft Azure, IIS, DNS.

**Database Technologies:** SQL Server 2016, Azure SQL, T-SQL stored procedures, SQL query optimization, Azure Cosmos DB, Azure Blob Storage, Azure Queue Storage, Entity Framework 6.0, eXpress Persistent Objects (XPO).

**Azure:** Azure App Services, Azure Functions, Microsoft Bot Framework, Luis, Azure Virtual Machines.

**Programming Languages:** C#, JavaScript, VB.Net, PHP (basics), C.

**Development Tools:** Visual Studio Professional, JetBrains Rider, JetBrains dotTrace, JetBrains dotMemory, Fiddler, Postman, SQL Server Profiler.

**Other Skills:** Software architecture, business analysis, technical writing, developer mentoring, fluent in French.

## WORK EXPERIENCE

**Software Developer, Content Strategist (contractor)**, October 2018 – Present (contract work)

- Collaborating with National Speakers Association Hall of Fame Speaker Stephen Shapiro <https://stephenshapiro.com>
- Developed software to engage and educate readers of his book: [Invisible Solutions: 25 Lenses that Reframe and Help Solve Difficult Business Problems](#). Free demo of the app: <https://www.invisiblesolutionstools.com>
- Software includes progressive web applications (HTML/CSS/JS) with video, as well as Microsoft Bot Framework chat bots (Microsoft Bot Framework 4, .Net Core, Azure Cosmos DB).
- Wrote the title and subtitle for the book. Consulted on cover art. Provided content strategy for book contents.

**Senior Developer**, Woburn MA, December 2013-Present (contract work)

- Wrote markup, C# code, stored procedures and created SQL db for Web banking applications.
- Created administrator portal for banking app, including dashboard with interactive graphs and charts.
- Wrote C# code to implement service layers for mobile banking applications.
- Code communicates with external banking systems.
- Created SQL Server databases and wrote stored procedures.
- Wrote automated tests.
- Worked with management and subject-matter experts to refine specifications.

- Mentored senior and junior developers.
- Wrote documentation.

**Senior Developer**, Waltham, MA, January 2010 – July 2020 (contract work)

- Met with clients to gather requirements, clarify business processes and design the system.
- Developed web-based system used by a major university to manage compliance for over 300 student organizations
- System implements all business rules required by the Budget Analyst, Student Union and student organizations, with appropriate permissions for each role.
- System is highly rated by the university administration and students.

**Senior Developer**, North Kingstown, RI, December 2012 – December 2018 (contract work)

- Collaborated with clients to design a quality-control software system for a group of factories.
- System allows administrators to define alert criteria describing situations which require engineers' attention.
- Admins can also define a set of custom reports for each alert condition.
- System monitors production data, and sends emails containing tabular reports and charts when alert conditions are detected.
- Technologies include: C#, ETL from dBase to SQL Server, stored procedures, DevExpress XtraReports reporting system, HTML emails.

**Senior Developer/Software Architect**, Cambridge, MA July 2011-April 2013 (contract work)

- Senior developer on multiple projects (SPAS, ASTARS, SAS) to provide aviation safety software systems to the Federal Aviation Administration (FAA).
- Team member tasked with solving difficult development problems, fixing sneaky bugs and supporting the efforts of other developers.
- Responsible for the UX design and implementation of ASTARS AIR Simulation software, highly rated by senior management.
- Taught C# and object-oriented architecture to team members.
- Wrote code at all levels of the development stack: from T-SQL stored procedures, through C# code, Entity Framework, WCF Services, ASP.Net, HTML, CSS and JavaScript.

**Senior Developer**, Boston, MA, August 2005 – December 2009

- Meet with clients to define specifications and project plans.
- Design and develop Web and desktop software.
- Projects included Salesnet automation, employee gift web sites for Pizza Hut, data analysis for fraud detection for an ISP, writing unit tests for a real-estate software company.
- Software testing and documentation.
- Application deployment and system troubleshooting.

**React Software**

**Developer/Consultant**, Marlboro, MA, December 2004 – May 2005

- Developed web server software in Visual Basic.NET for ASP.NET.
- Wrote NUnit methods to automate testing.
- Assisted other developers.

**MindModel Corporation**

**CEO**, Chestnut Hill, MA, 2000-present

- Invented, designed and developed commercial Windows software application.
- Created single-user, multi-user and web server versions of MindModel.
- Co-wrote patent application for the technology: # [20030028370](#)
- Main web site: <http://www.mindmodel.com> (software can be downloaded from this site)
- Wrote and did page layout for complete set of printed documentation (over 500 pages).
- Customers include: Nokia, Philips, Siemens, Fujitsu, US Coast Guard, Deloitte & Touche, Tivo UK, ITT Industries, MIT, Partners Healthcare, US Navy, BBN Technologies, Arthur D. Little, U.S. Equal Employment Opportunity Commission (EEOC), United Nations.

**HealthShare Corporation**

**Developer/Consultant**, Acton, MA, 1999

- Technical consultant and developer for healthcare management software company.
- Improved speed and reliability of 4D database code with minimal disturbance to existing system.
- Assisted other developers.
- Created a module which allowed reports to be run in batch mode, for performance testing and user convenience.
- Advised management on methodologies for expanding the capabilities of the software while minimizing maintenance requests.

### **ScriptGen Pharmaceuticals**

**Developer/Consultant**, Medford, MA, 1993-1999

- Designed and developed multi-user 4D database for high-throughput drug screening.
- System contained over 4,000,000 records.
- System handled all aspects of the drug-screening process, from compounds and inventory items to assays and statistical analysis.
- Included automatic batch import and processing of data, as well as a full-featured user interface.

### **Clearface, Inc.**

**Developer**, New York, NY, 1991-1993

- Developed The Kerning Palette, a QuarkXTension, written in C, which debuted at Seybold in 1991.
- Allowed the user to make adjustments to kerning tables without leaving QuarkXPress.
- The user can export kerning tables in different formats, modify FONDS in the system, and create custom suitcases.
- Sold for \$195.
- "Although stand-alone kerning pair editors for the Mac have been around for a while, The Kerning Palette, a QuarkXTension, stands head and shoulders above them all, \*\*\*\*1/2," Publish magazine, October, 1992.

**Developer**, Osaka, Japan, 1993-1996

- Developed a full-featured kerning package, J-Kerner, for QuarkXPress in Japanese.
- Supported kerning in Kanji, Hiragana, and Katakana, for both vertical and horizontal text.
- QuarkXPress Japanese (at this time) did not by itself support kerning.
- Sold for USD \$1,500 per copy.

### **Colorscape, Inc.**

**Developer/Consultant**, Winchester, MA, 1991-1993

- Revised existing 4D database publishing system to improve performance and insure data integrity.
- The database produced the text contents of the New England Business Service, Inc. Directory of Software as a completely formatted QuarkXPress document.
- Consulted with management on the purchase and configuration of hardware, software and networking products for color separation and printing.

**Developer/Consultant**, Amherst, NH, 1991-1992

- Consulted on the design and implementation of simulation software for the United States Department of Defense.
- This application combines a Macintosh graphics front-end with an Inside/Out database back-end.
- Created an LDEF (list manager definition procedure) which displays small icons and text in scrolling lists.

### **Microcosmos**

**Developer**, Cambridge, MA, 1985-1991

- Designed and developed MacIndexer, the first Macintosh program to create book indexes automatically.
- Participated in marketing, production and technical support.
- Worked on a team which created MacHyphen, desktop publishing software.
- Designed and developed Shadow, automatic save and backup program for the Macintosh.

- Major Macintosh publications (MacWeek February 20, 1990, MacWorld February 1990) have reviewed and recommended Shadow for their readers.

### **Liberty Mutual Insurance Company**

**Developer/Consultant**, Portsmouth, NH, 1989-1990

- Worked on a team which developed an extensive client/server database.
- The system used SequelLink to access SQL databases residing on a DEC VAX..
- Insurance agents used this system to calculate loss reserves for workman's compensation and life pension claims.

### **Lincoln Labs**

**Developer/Consultant**, Lincoln, MA, 1989

- Worked on a team which developed a 4D database to analyze flight information collected from multiple sources.
- Lincoln Labs used this database to do statistical analysis aimed at maximizing the number of airplane landings at Boston's Logan Airport.

### **Cambridge Technology Group**

**Developer/Consultant**, Cambridge, MA, 1988

- Introduced Macintosh software development and consulting to the UNIX-oriented technical staff.
- Met with clients for pre-sales consultation.
- Worked alongside clients to develop solutions.
- Developed a software bridge to connect Macintoshes to UNIX machines for unattended, error-free data transfer.
- Worked with CIGNA to create a financial reporting workstation used to track real-estate investment performance.

## **PODCASTS**

### **Feisworld Podcast** (2014 – Present)

Co-founder and Associate Producer of podcast

Responsibilities include strategy, guest outreach, interviews, production assistance.

- Over 265 [audio episodes](#)
- [Amazon Prime docuseries](#)
- Monetized [YouTube channel](#) with over 14K subscribers
- I'm honored to have welcomed the following guests to the podcast: Sarah Cooper, Chris Voss, Dorie Clark, Jordan Harbinger, Eirini Tornesaki, Johnny BANG Reilly.

### **Enabled / Disabled Podcast** (2021 – Present)

Associate Producer

Responsibilities include strategy, guest outreach, web development.

<https://www.enableddisabled.com>

A podcast created for adults and children with disabilities, families and friends who care for them, professionals who treat and help people with disabilities, as well as people and companies who want to learn more.

Honored to have welcomed [BJ Miller](#) and Dan James to the podcast.

## **EDUCATION**

### **B.A. Computer Science, Brown University**

Magna Cum Laude. Elected to Sigma Xi Scientific Research honor society.

Specialization: Database systems.

Captain of Brown Taekwon-do team 1983-1987.