T.J. Crowder   *Software Engineer*   tj.crowder@farsightsoftware.com

Objective		I'm a software engineer always interested in projects requiring leadership and technical excellence where my team and I can add value. Based in the Midlands in the UK, I work in the UK, Europe, the U.S., and beyond via VPN or on-site. I am both a UK and U.S. citizen.
Skills	**Design**	Software technical design with an object-oriented, component-based approach and full life-cycle perspective: Requirements, technical design and documentation, planning, development, and delivery.
	Languages	JavaScript, C#, Java, SQL, PHP, VB…
	Technologies	Object-oriented design and development, AJAX, HTML, CSS, jQuery, React, Knockout; JSP/servlet, SQL/databases, .Net, ASP.Net, classic ASP, JSON, XML…
	Communication	In person and in writing, I communicate clearly and effectively with management, peers, and end-users.*(For examples, please refer to my various* answers to questions on Stack Overflow*.)*
	Leadership	In client engagements, I can assume team leadership when appropriate based on mutual respect and technical excellence, or participate as a team member when a leadership role is not required.
	Teamwork	I work well with other team members. I take personal responsibility for ensuring my team's overall success.

Publications

Books

JavaScript: The New Toys (Wrox Press, July 2019): Full coverage of the latest JavaScript features in ES2015 through ES2018 plus those likely to be in ES2019.

Experience

Farsight Software (2013-present)

As the managing director and lead consultant of Farsight, I'm responsible for contributing to internal and client projects directly; hiring and managing engineers contributing to projects; client relations; marketing; finance; and both short- and long-range planning.

Key customer projects:

- ***NATO Communication and Information Agency**: (2012-2018)* Lead JavaScript engineer on the DBM project, responsible for major new JavaScript features of their web-based force deployment planning system for the French military; also active in the mid-tier (PHP) and database. [JavaScript; jQuery; HTML; CSS; SQL; PHP; MySQL]
- ***CentralReach**: (2011-2017)* Development of their flagship web platform, working across the full stack of the system from HTML, CSS, and JavaScript on the client, to C# in the .Net mid-tier, to designing database tables, indexes, and views and developing significant stored procedures. [JavaScript; React; Knockout; jQuery; C#; .Net; HTML; CSS; SQL; MS SQL Server]
- ***NATO Communication and Information Agency - training**: (2012)* Wrote and conducted training sessions for DBM and JOCwatch project staff on advanced JavaScript concepts and techniques, including those from the 5th edition (2009) specification. [JavaScript; PowerPoint; presentation skills]
- ***London Borough of Brent**: (2005-present)* Ongoing projects using on OpenText's Process360 document management, workflow, and BPM product to reduce costs. Lead engineer on all of the Council's use of Process360, responsible for adding substantial features, integrating with various other Council systems, and automating repetitive manual processes, resulting in significant business savings. [JavaScript; jQuery; Knockout; HTML; CSS; C#, .Net; VB; SQL; HTML; CSS; VTA (ViewStar Task Architecture); VBScript]

Key open source and community contributions:

- All-time top-ranked answerer of JavaScript questions on Stack Overflow (ongoing)
- Miscellaneous contributions to the JavaScript specification decorators proposal *(2018-present)*
- Miscellaneous contributions to the JavaScript specification class fields proposal *(2018-present)*
- Lineage library *(2012)*

Independent Contractor (2002-2013)

Key projects:

- ***NATO Communication and Information Agency**: See above*
- ***CentralReach**: See above*
- ***London Borough of Brent**: See above*
- ***Global 360** (now part of OpenText): (2004-2005)* Major contributor to the development of the View360 product [C#; .Net; VB; SQL; VBScript]

- **Large Healthcare Charity**: *(2003-2004)* Upgraded Lisp-heavy ViewStar 5.2 system to ViewStar BPM (now Process360): Analysis; COM development (VTA tasks, etc.); documentation. [ViewStar; VB; COM; SQL; VBScript]
- **Corizon**: *(2002-2003)* Helped enhance the Corizon Platform. Worked in team to deliver Corizon solution to a major UK telecom. [Java; SQL/databases; XML; J2EE]
- **ViewStar Engineering**: *(2002)* Added workpacket display, manipulation, and forwarding to ViewStar BPM web services sample application. Overhauled sample web client (part of ViewStar BPM 1.0 release). Maintenance work in EBPI COM objects/controls. [C#; ASP.Net; ASP; VB; VBScript; JavaScript; HTML; CSS]
- **ViewStar Education**: *(2002)* Developed EBPI Web Application Development curriculum, taught "beta" class to partners and trainers

Corizon[1] (2000-2002)

Software Engineer, Lead Software Engineer
- Designed and lead implementation of major Corizon platform component [Java; UML; SQL]
- Core member of the platform team that designed the Corizon platform [UML; Java]

Operations Developer
- Did customisation and integration of 3rd party billing and customer support systems with pre-platform Corizon systems [J2EE; Java; XML; XSL/XSLT; ASP; VBScript; JavaScript]

ViewStar (Mosaix/Lucent/Avaya/eiStream/Global 360/OpenText[2]) (1997-2000)

Senior Software Engineer - Engineering (1999-2000)
- Lead infrastructure design and development to extend product (*CRM Central*) API to client applications requiring "stateless" access (web clients, etc.) [VB; DCOM; C++; MTS; TCP/IP]
- Maintained sample web client application (*ViewStar@Work*) [ASP; VBScript; JavaScript]
- Helped develop *CRM Central's* agent desktop application [VB; ActiveX]
- Did maintenance work in EBPI (*ViewStar*) and CPI (*CRM Central*) COM interfaces [VB; COM]

Senior Applications Consultant - Professional Services (1998-1999)
- Wrote new web client application for *ViewStar* for use by Professional Services (this later replaced the previous *ViewStar@Work* portion of main product) [ASP; VBScript; JavaScript]
- Wrote custom *ViewStar* plug-ins for customers and sales presentations [VTA; VB; COM]
- Helped represent Mosaix in industry "head-to-head" eval at Doculabs (with positive result)
- Continued doing product customisations for customers, developing "best practices" examples, and delivering product training classes

Workflow Consultant - Professional Services (1997-1998)
- Installed and customized *ViewStar@Work* (web-based workflow routing and optical storage retrieval) for customers in the insurance and financial sectors [VB; ActiveX/COM; ASP; VBScript; JavaScript]
- Taught ViewStar Education training courses to customers, partners, and internal staff
- Developed ActiveX objects for use by ASP applications [VB; ActiveX/COM; ASP]
- Developed "best practices" examples of customisations of our product, both client/server and Internet [ASP; VBScript; VB; ActiveX/COM]
- Developed and updated ViewStar Education curricula, both solely and working with a team

Cheetah Systems, Inc. (1989-1997)

Lead Software Engineer (1995-1997)
- Developed realtime internet text feed client software for live events (such as the '96 Presidential debates) to accompany RealAudio audio feeds [Java]
- Developed realtime text feed server software for same live events [Solaris; C++; TCP/IP]
- Ported *Total Access* product from DOS to Windows [Delphi; C DLLs]
- Continued extending main DOS-based product, *TurboCAT* [C; C++; 80x86 assembly]

Product Development Manager (1994-1995)
- Responsible for all aspects of Cheetah product development. Trial position; at end of trial, I declined their offer to make position permanent. Continued while helping hire replacement.
- Managed small team enhancing Cheetah's products [C; 80x86 assembly]
- Developed a high-speed data entry product for court reporting students [DOS TSR; C]
- Led inter-vendor committee creating CAT industry standard for file exchange (used RTF as basis, added extensions), wrote format specification

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[1]   Corizon is the new name for Genient, Ltd.

[2]   ViewStar/Mosaix/Lucent/Avaya/eiStream/Global 360/OpenText: ViewStar was part of Mosaix when I joined; was later bought by Lucent, then spun off as part of Avaya Communication; later acquired by eiStream Technologies, which became Global 360, which was acquired by OpenText. The product *ViewStar BPM* became *Enterprise NX*, since renamed to *Process360*.

Product Manager, CAT Products (1993-1994)
- Supervised small team enhancing *TurboCAT*
- Developed several new sales-generating features for *TurboCAT* [C]
- Developed DOS version of *Total Access* [C] to replace earlier low-end litigation support product

Programmer (1991-1993)
- Primarily responsible for ongoing enhancement of *TurboCAT*
- Developed a low-end, DOS-based realtime litigation support package [C, serial comm]
- Wrote initial user manual for *CAPtivator*
- In small team, rewrote *TurboCAT*'s primary component, the transcript editor [C]
  Quickly became design lead for project, both UI and engineering aspects
- Created internal code libraries, including DOS text-mode windowing/dialog library [C]

Technical Support Representative (1989-1991)
- First full-time technical support representative, including after-hours shifts
- Though not in Development, increased sales of *TurboCAT* by listening to customers and developing new features on own time and initiative which were added to the product [C]

Education	Ohlone College (Fremont, CA)	1990s	Continuing Education (C, C++, assembly)
	S.F. State University (S.F., CA)	1984-1985	Computer Science, Creative Writing
	Lowell High School (S.F., CA)	1980-1984	