

William M. Claxton

Career Objective

I design, build and maintain web applications, commercial online services and international distribution networks for video content. My goal is to serve customers by building stable and usable content delivery infrastructures.

Experience

In the last couple of years, I have been developing my competencies in educational technology. I have worked extensively with video-based learning, audio podcasting, wikis, blogs and related social networking technologies. I created a solution for handheld Wifi devices to support 'quizcasting', ie- the delivery of realtime classroom quizzes. For that project, I sourced inexpensive hardware from China and software from India.

Since 2004, I have organized programmes for the largest IT conference in South East Asia, and had the opportunity to interact with speakers who in many instances represent the brightest minds in this emerging field of what I call 'learning communications'. And I started my own blog <http://learningweb.blogspot.com>.

My career has spanned from video production, to developing PC-based hardware & software for video producers, to deploying web applications and streaming media servers which support video delivery on the Internet. The thread that connects these roles is video technology.

I have worked in the video industry since the mid-70s. In California, I played a significant role in the merger of PC and video tools in the early 80s, before 'multimedia' became a buzzword. And more recently I was a pioneer in the development of a pan-Asia video delivery network. Along this career path, my role has usually been that of team lead, innovator and entrepreneur.

Having worked at a senior management level for more than 10 years in the 'intelligent island' of Singapore, I have first-hand experience in various aspects of building a national IT infrastructure. For example, in the early 90s I was involved in the IT-2000 planning effort, and more recently I chaired a National Committee on Standards for Information Exchange.



Skill Sets

Computing Platforms

- Windows, Solaris, Linux (operating systems)
- Apache, IIS (web servers)
- Websphere, BEA Web Logic (application servers)
- Tomcat, JRUN, Servlet Exec (servlet engines)
- Syabas (set-top box)

Application & Network Protocols

- OSI, TCP/IP, UDP (network transport)
- ISDN, DSL, Frame Relay, ATM (data link layer)
- URL, URI, URN (resource identification)
- DNS, LDAP (directory services)
- Z-39.5, LCSH, MARC, DC, GILS (discovery)
- POP, SMTP, MIME (email transmission)
- FTP, Telnet, and SSH (remote administration)
- HTTP, SSL (web and secure transactions)
- HTML, DHTML, CSS (presentation)
- RTP, RTSP, MMS (streaming media)
- scalable multicast (live video webcasts)

Databases

- miniSQL, MySQL (flat file databases)
- MS Access, SQL Server (simple RDBMS)
- Oracle, Informix (RDBMS with stored procedures)

Document & Media Formats

- Unicode, GB, Big5, Kanji (Asian text)
- PDF (Acrobat document format)
- WMV, WMA, ASF (Windows Media)
- RM, RA (Real Media)
- MOV (Quicktime)
- MPEG1, MPEG2, MP3, MPEG4
- H.261, H.263 (video conferencing)
- SWF, FLV (Shockwave Flash and Flash Video)
- SGML, XML, RDF, SMIL (data exchange)
- ISO-9660, Joliet, HFS, VCD, DVD (CD media)

Development Environments

- Java, C++ (languages)
- Javascript, ActiveX (client side scripting)
- JSTL, JSP (standard tag libraries)
- XSLT, XPath (data exchange)

Employment History

- 1980-1989: President and founder of **Scott Hall Productions**, a professional video editing facility in Marin County, California. Developed hardware to enable the personal computer to control videotape recorders, including the first SMPTE timecode reader designed for use in a PC. Also developed PC software for use by video producers, and licensed these products to Comprehensive Video, a major US distributor of professional video gear.
- 1989-92: Managing Director and founder of **Scriptech (S) Pte Ltd**, a developer of multimedia products with co-development partner Chartered Electronics Industries, a division of Singapore Technologies.
- 1992-97: Managing Director and founder of **iMedia (S) Pte Ltd**, which created and marketed the acclaimed Windows multimedia authoring software 'infoShip'. Sponsored Singapore Digital Media Consortium, a partner of MIT Media Laboratory.
- 1998-2004: Managing Director and founder of **OpenAsia Solutions Pte Ltd** (formerly known as iTech Ventures), a provider of market-leading Internet solutions and products throughout Asia Pacific. The company represented RealNetworks' streaming media servers, Adobe's Acrobat, Verifone's Commerce Server, and RPK's Encryptonite. Developed 'mediaWare Web Application Server', a Java-based content delivery solution. Established the region's first purpose-built distribution infrastructure for video (service branded as 'OpenAsia Network'), with servers located in Malaysia, Singapore, Hong Kong, India and USA. In early 2004, OpenAsia Solutions was acquired by Pacific Knowledge Platform Pte Ltd
- 2004-2006: Vice President Media & Technology of **Knowledge Platform Pte Ltd**, a rapidly expanding e-learning communications company with offices throughout Asia including Japan. Responsible for developing media services and oversight of technology deployment internally and externally. Principally involved in managing the hosted solutions for our customers. Secured an agency line as exclusive representative for Apreso Classroom - an e-learning solution from US-based Anystream Inc. Deployed Apreso Classroom in local universities and some overseas schools. Produced dozens of webcasts, podcasts and synchronized multimedia presentations for clients in USA and Asia. Integrated video with Flash-based e-learning content, using both Windows Media and Flash Media Server technology.

Vital Statistics

Date & Place of Birth

- 3 August 1952, San Mateo, California

Citizenship

- US Citizen, Singapore Permanent Resident

Marital Status

- Married (with one child)

Present Appointments

- V.P. Media and Technology, Knowledge Platform Pte Ltd

Academic Qualifications

- BA Economics, University of California, Berkeley, 1974

Commendations & Awards

- Published Software Author of 'Log-It PC', which has won industry awards, and received numerous favorable reviews
- Pioneer Developer of Singapore ONE Broadband Applications
- Member, IT-2000 Sectoral Study Committee on Media Publishing and Information Services, (1991)
- Member, Executive Committee, Singapore Digital Media Consortium, (1994-97)
- Member, Executive Committee, Singapore Trade Development Board's Multimedia Interest Group, (1995)
- Member, Executive Committee, Singapore National Archives, Electronic Records Unit, (1995-96)
- Member, Executive Committee, Online Technologies Consortium, (1996-97)

Past Affiliations

Current Affiliations

- Chairman, National Information Infrastructure Working Group on National Standards for Information Exchange, (1997-99)
- Member, Advisory Committee, Temasek Polytechnic Design School (1997-99), School of Information Technology, ('99-2003)
- President, Executive Committee, Singapore Association of Information Technology Consultants, (2003)
- Council Member and Ambassador, Singapore infocomm Technology Federation, (current)
- Chairman, IX 2006 Organizing Committee, Singapore infocomm Technology Federation, (also chaired the Programme Committee in 2005, and participated in the 2004 Programme Committee)

Contact Info

- William Claxton (williamc@knowledgeplatform.com)
131 Mackenzie Road, #01-03
Singapore, 228714 Republic of Singapore
T: +65-6236-7692, F: +65-6220-7031

A list of references, published articles and speaking engagements is available on request.