

TIM KEHRES

Hong Kong ▶ +852 6741-1436 ▶ China ▶ +86 134 1094 9361 ▶ tim@kehres.com ▶ http://tim.kehres.com

EXECUTIVE MANAGER – INFORMATION TECHNOLOGY

Over thirty year track record of success in cutting edge Internet systems and applications, including applied research and development for the US Government and over twenty years working with innovative new technology companies. Expert ability to combine market / financial research with knowledge of technology, trends to develop, and implementation of sound and profitable business strategies.

Accomplished manager with international experience spanning the USA, Hong Kong, China, Japan and the Philippines. Strong leadership, communication, and organizational skills.

- ◆ Corporate Management
- ◆ P&L Accountability
- ◆ Technology Startups
- ◆ Market Research / Analysis
- ◆ Strategic Planning
- ◆ Multi-million Dollar Budgets
- ◆ Technical Writing
- ◆ Product Management, Planning and Development
- ◆ Business Development
- ◆ Team Building & Leadership
- ◆ Networking Standards

CAREER ACCOMPLISHMENTS

JADE CONNECTIONS LIMITED

Hong Kong, January, 2004 – Present

Managing Director / CEO

Established Jade Connections (formerly Jade Networks International) as an Internet consulting and services company focusing on delivering system and network solutions. Was also involved in trading (consumer electronics, IT, and computer networking) between 2008 and 2010. Currently designing and deploying a scalable and cost effective enterprise class cloud computing infrastructure. This involves using off the shelf components (motherboards, hdd, memory, ssd, etc) whenever possible for a range of applications from traditional services to high performance computing (including local network infrastructure). All systems designed to survive component and system failure without affecting service availability. Cloud platform to be based on OpenStack and Linux. Past projects include:

- Design, implementation, and roll-out of the first Jade responsive and multilingual website (szteachers.com). This site was a first attempt at responsive design integrated using Drupal 7 with both Chinese and English language content using common URL's. The site is no longer being actively maintained.
- Design, implementation, and deployment of the Jade distributed application framework for web based applications. This distributed and highly scalable framework allows for the integration of web and messaging applications into a unified service offering.
- Built the first Jade collaborative / purpose driven web community. Integrated tools and practices from a range of disciplines including social networking, publishing (document workflow), project management, collaborative team building and management, and Internet communications. The first alpha release went online in early 2009.
- First Jade site released at the end of September 2005 (www.pinoytalk.com)

MACAU NETWORK INFORMATION CENTER (MONIC)

Macau, September, 2010 – Present

Consultant / Enterprise Architect

Operation for MONIC, the Internet domain name registry for Macau (www.monic.mo) was transferred to HNET in March 2011. Organized the initial team from Hong Kong and Macau which resulted in the creation of the winning government proposal and JV company formation (www.hnet.asia). Built and deployed the initial systems:

- September 2010: Team establishment with HN Group (Macau), dotAsia Organization (Hong Kong) and other Hong Kong Internet leaders.
- November 2010: Submission of winning government bid for the redesign and implementation of the Macau .mo ccTLD. Primary technical areas of contribution were in network and server architecture (non-registry).
- February 2011: Was wholly responsible for the building and configuration of all servers, networks, and cabling across two datacenters for the new MONIC. This included design and implementation of the following services: distributed electronic mail (failover across 3 networks), web, VoIP (Asterisk – SIP/IAX2/SCCP), CRM, CMS, DNS, and office services (SMB and DHCP).
- June 2011: Design and implementation of internal information portal based on the Drupal CMS.

- September 2011: Ongoing enhancement of services, documentation, and training of new staff.
- September 2013: Designed and implemented a Zabbix based remote network monitor solution. Solution continually monitors and reports problems for HTTP, DNS, SMTP, and IMAP protocols on multiple servers.

INTERNATIONAL MESSAGING ASSOCIATES

Hong Kong, May, '94 – December, '03

Managing Director / CEO

Director for the IMA group of companies. IMA customers included Fortune 500 and large government organizations worldwide. Key areas of responsibilities included market research, product development, and daily operations. Established the first Hong Kong office, in May 1994, providing core product development, technical support, sales, and production.

- Grew annual revenue from zero to almost US\$ 2M in the first two years of operation, without external funding.
- Guided the company through a successful private funding placement in 1999 (US\$ 2M).
- Chief architect for the *Internet Exchange Messaging Server*, a high-end server email platform.
- Managed over 15 software product releases, including sales collateral and web updates.

Manila, Philippines, December, '97 – February, '03

Established IMA Philippines to provide English language technical support and technical writing capabilities. The scope of the office was later expanded to include software development, web site design, and marketing / sales functions. Key accomplishments:

- Established SEC registered company in 1997 – grew from zero to over 50 staff within two years.
- Total management responsibility, including operations (network and office), staffing, administrative (including accounting), technical (support, development, sales, and technical writing staff), and legal.
- Established international call center facility in March 1998 to directly serve North American customers.

San Francisco, California, USA, January '93 – May '94

Founded International Messaging Associates (IMA), a new Internet software company specializing in electronic messaging solutions. The IMA gateway products for cc:Mail became the de-facto corporate standard solution in their market.

- Chief architect for the *Internet Exchange for cc:Mail* product, the first Windows based MIME compliant gateway for Lotus cc:Mail.
- Involved with the IETF working group responsible for developing the MIME Internet standard, now the basis for all structured messages used in Internet electronic mail and the World Wide Web.

SIREN SOFTWARE CORPORATION

Menlo Park, California, March '93 – February '94

Consultant

Chief architect for Siren Mail, a MIME-compatible email client for UNIX workstations (both X-Windows and ASCII based).

AT&T

Sunnyvale, California, January '91 – July '91

Consultant

Worked with the local AT&T staff and researchers at Bell Laboratories in the development of a fax based personnel data submission system. This system allowed personnel managers at the various AT&T facilities to be able to submit standard forms via fax. Once received, the systems would automatically extract the pertinent information from the received image, integrating this with a backend database system.

WORLD TALK COMMUNICATIONS

Campbell, California, July '90 – February '93

Consultant

Worldtalk (formerly Touch Communications) was one of the leading messaging companies providing OSI (X.400) based server solutions.

- Provided training and assistance for the Technical Support group on Internet email technologies.
- Quality Assurance and testing for the Touch SMTP gateway.
- Wrote the Touch SMTP gateway manual and related documents.
- SMTP gateway and related modules program development and testing.

LAWRENCE LIVERMORE NATIONAL LABORATORY**March '86 – May '90****Consultant – Control Data Corporation**

The Technology Information Systems Program at LLNL provided technology support for the US Air Force Logistics Command, among others. Was employed by CDC as a consultant to the TIS program.

- Design and implementation of enhancements to the TIS Electronic Mail system, a mail client widely used within the U.S. Government.
- One of the principal architects for the Livermore Advanced Network Computing Environment (LANCE), an operating system independent environment for the creation of distributed applications.
- Member of the program committee for the IFIP WG 6.5 International Conference on Message Handling Systems and Distributed Applications. Chaired the IFIP WG 6.5 Task Group on Gateways.
- Actively involved with the National Institutes of Standards and Technology Workshops for OSI, MHS Special Interest Group.
- Design and implementation of a CDCMail gateway (Control Data project)

From February 1989 through June 1989, managed the ETA Systems on-site technical staff at the Tokyo Institute of Technology. Responsible for working with the customer in resolving technical issues related to the supercomputer installation.

THE WOLLONGONG GROUP**Palo Alto, California, November '83 – March '86****Software Engineer**

The Wollongong Group (TWG) was the first company to commercialize the TCP/IP protocols and applications used within the research and government networking communities (ARPANET). This network foundation was later to become the basis for most modern local area networks and the Internet.

- Portation of BSD TCP/IP stack for the IBM 370 series computers running UNIX System V.
- TCP/IP network stack and application porting to XENIX (Microsoft UNIX for the Intel 286), Plexus (Z8000 based), and AT&T 3B5 minicomputers.
- XENIX kernel serial I/O driver enhancements for Systech serial expansion boards.
- Established and maintained corporate electronic mail gateway.

CONVERGENT TECHNOLOGIES**Santa Clara, California, April '85 – March '86****Consultant to AT&T UNIX PC (3B1) Project**

Designed and implemented a software development environment integrating configuration management / change control with build / installation automation for the AT&T UNIX PC release. This system allowed simple integration of software changes while at the same time ensuring build integrity and the ability to track module versions in released software.

FORWARD TECHNOLOGY**Santa Clara, California, March '83 – November '83****Software Engineer**

Software / System engineer for a pioneer startup UNIX microcomputer company. Projects supporting the FTI 3000 and 500 UNIX computers included:

- SMD disk formatter design and implementation.
- Demonstration software for a new graphics system.
- Assisted with solving problems related to the manufacturing of the FTI computers.

CHRISTIAN ROVSING CORPORATION**Thousand Oaks, California, March, '82 – March '83****Software Engineer**

Designed software for the graphical presentation of telemetry data for a project transferring telemetry data between Air Force bases. Performed cost / performance trade-off analysis of various graphics terminals used on the project.

BUNKER RAMO CORPORATION**Westlake Village, California, January '81 – March '82****Digital Design Engineer - Ocean Surveillance Group**

- Software design for MTR signal processing studies
- Design and implementation (hardware and software) of the ERAPS Command Generator (a microcomputer controlled radio transmitter)
- Maintenance and modification of the ERAPS Avionics chassis.

TECHNICAL AREAS OF EXPERTISE

Technologies / Applications: TCP/IP stack, RSS, OpenLDAP, Sugar CRM, Spamassassin, Postfix, Sendmail, Mailman, Kannel, Apache, SquirrelMail, phpBB, GroupOffice, osCommerce, Samba, Ipchains / Iptables (Firewall), tc (traffic control), teql (line equalization), X, transparent proxies, SSL, VPN, Squid, AltiWare (AltiGen), TeleVantage (Artisoft), Asterisk, Jabber (XMPP), Drupal (5 - 7), RoundCube Mail, BIND (through version 9.9.3), jQuery, Zabbix

Languages / Environments: C / C++, PHP, Python, SQL, Unix Shell (sh, csh), Perl, Javascript, Pascal, Fortran, APL, awk, lex, various assembly

Standards: All Internet email related, most SNMP related, routing (BGP, EGP, etc), DNS, X.400, X.500, ASN.1, SMS, LDAP, HTML5, CSS3, DHTML, XHTML, XML, DOM, Voice over IP (SIP/IAX2/SCCP), XMPP

Operating Systems: Most major Unix releases over the past 30 years, including many common current Linux distributions (Ubuntu, Fedora, RHEL, OpenSUSE, CentOS, Mint, Lubuntu). Microsoft (DOS through Windows 7), Citrix Metaframe 1.8

Office Tools: Microsoft Office, LibreOffice, FrameMaker, Acrobat, PhotoShop, CorelDraw, GnuCash

EDUCATION

Purdue University, West Lafayette, Indiana, USA
Bachelor of Science in Electrical Engineering
Date of Graduation: December 1980

PUBLICATIONS

All technical manuals and release notes for IMA Internet Exchange Messaging Server and gateway products (1995 - 2003) and IMA Web Site content. Archive site with documents can be found at <http://ima.jade-networks.com>.

T. Kehres, **Message Handling Systems Interoperability Problems Between 1984 and 1988 X.400**, *Message Handling Systems and Distributed Applications*, pp 553-561, North Holland (1989)

T. Kehres, M. Westbrook, **MHS Gateway Working Group Report**, *Message Handling Systems and Distributed Applications*, pp 551-552, North Holland (1989)

WRITING SAMPLES

A comprehensive collection of writing samples can be found at <http://tim.kehres.com/consult/writing> in the Sample Documents section.