

Shigeru KAWAGUCHI

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PROFILE

Over twenty years of leading full-custom software development and system migration projects. Familiar with wide range of technology options and their pros and cons through experiences. A US citizen, fluent in English and Japanese.

EXPERIENCE

Owner, Lamb Informatics Limited, Germantown, MD – 2005–Present

Designed and developed full-custom enterprise mission-critical web/desktop/mobile application systems from scratch fitted to customers' particular business practices and requirements.

Maintained and supported custom system operations, continuously modified and enhanced to match changes and expansions of customers' business practices and requirements as well as technological transitions.

Recovered mission-critical data from failing hardware and obsoleted legacy systems, then were migrated to new systems.

Client: US Department of Health and Human Services

PACwarehouse: mobile/desktop warehouse information management system

PACdisposal: mobile/desktop asset disposal accounting system

System administration, custom software maintenance and operational support

CTO, DigiFlight, Inc., Washington, DC – 2000–2005

Designed and developed custom enterprise mission-critical web/desktop application systems from scratch fitted to customers' particular business practices and requirements. Eliminated needs for repetitive data entry to multiple systems and moved data entry point at the place of action, improved data consistency and integrity.

Maintained and supported custom system operations, continuously modified and enhanced to match changes and expansions of customers' business practices and requirements as well as technological transitions.

Client: US Department of Health and Human Services

WebWIMS: web UI based warehouse information management system
System administration, maintenance and operation support for custom software and web commerce site

Chief Scientist, Valtech, Inc., Bethesda, MD – 1997–2000

Installed LANs and configured routers fitted to customers' particular needs. Administered LAN servers and monitored network activities. Recovered data from a failing hardware and an obsoleted system.

Client: Dimensions International, Inc. (USAID)

Data recovery from failed hardware database
System administration for development platform
Y2K readiness project

Client: Morgan Schiff & Co.

Installation and support for investment bank trading room

EDUCATION

Worcester Polytechnic Institute, Worcester, MA – BSc in Biology 1997

SKILLS

Translation of business requirements to technical solutions, full software development lifecycle and CI/CD. Object oriented design process with UML and CRC cards, multi-tier and distributed computing design. Network and systems administration.

TECHNOLOGY SUMMARY

Hardware Platforms

IAx86, AMD64, Apple Mac, Raspberry Pi, ARMv8, Arduino, AVR

Virtual/Cloud Platforms

Docker Swarm, MS Virtual Server/Azure, VirtualBox/Oracle Cloud, VMware/Rackspace, Xen/AWS

Software OS

Microsoft Windows Workstation / Server, Linux (Debian, Ubuntu, CentOS), Apple macOS, Sun Solaris

Software Database

Oracle RDBMS, MySQL/MariaDB, SQLite, MS SQL Server, MS Access, FileMaker, Informix, Sybase

Networking

IPv4/v6, mDNS, GRE/IPSec VPN, OpenVPN, WireGuard, SSH, LDAP, SNMP, DLNA, VoIP, SIP, iPBX, sRTP, QoS, 3CX, Vodia, Snom, Grandstream, Ubiquiti UniFi, UNMS, VyOS, Wireshark, IDS, IPS, Backblaze, Crashplan, Amazon Glacier, rSync

Development Languages

HTML/CSS, XML, JavaScript, AJAX, JSON, SOAP, PHP, BASIC, MS VisualBASIC, ASP, Xojo, RealBASIC, C/C++, Java, Python, MicroPython, csh, bash