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Objective

Seeking senior software development position in enterprise application development, which would best utilize my knowledge and experience. Looking to join a management team focused on enabling and improving core business processes through IT initiatives.

Professional Summary

An accomplished **Application Developer and Architect** with over 15 years of' experience in a diverse range of technologies within multiple industry setting. Solid technical knowledge in application architecture, information technology and internet technology with emphasis on infrastructures for Enterprise Application Integration, Process/Data Modeling and Collaborative e-Commerce.

Over 10 years of involvement in the development of open source software. Has developed large scale web-based applications utilizing open source frameworks. Advocate of open standards and architectures.

Owner and developer of the open source project **LPS4Biz** hosted on java.net. LPS4Biz is a framework for developing Rich Internet Enterprise Application.

An early adopter of the eXtreme Programming (agile and light weight) development process.

Solid management skills, demonstrated proficiency in leading and mentoring dividuals to maximize levels of productivity, while forming cohesive team environments.

Employment History

Technical Consultant / Application Architect
Self Employed
May 2004–Present
- Developed an open source project LPS4Biz hosted on java.net. It is a Rich Internet Application (RIA) framework for building J2EE enterprise application. It is a synergy of two open source projects: OFBiz and Laszlo Presentation Server . LPS4Biz dynamically retrospects the enterprise data model patterns used in OFBiz to provide a rapid prototyping environment. The OFBiz enterprise data model consists of 600 plus entities and 3000 plus relationships.

Vice President, Information Technology
EDI Systems Services LTD.
May 2003–March 2004
- Establish eXtreme Programming practices for project development including Test Driven Development, Continuous Integration, Refactor Often, Shared Code Ownership and Short Release Cycle, fostering a light-weight **continuous improving/short feedback cycle** development environment.
- Introduced a Knowledge Management System for sharing and retaining knowledge acquired by members of the organization.
- Lead the development of an ERP Application (**Logistics Execution**) using a fine-grained **Service Oriented Programming** and **Component** framework.
- Technical training, supervision and team building
- Identification and evaluation of new and emerging technologies for use within enterprise information systems and infrastructure

Lecturer, Technical Consultant (Contracted)
Sun Wah Pearl Linux Ltd.
July 2002–May 2003
- Conducted workshops and seminars on Java technologies.
- **Seminars**: Open Source Web Application Frameworks, OFBiz - A J2EE Enterprise Application Framework
- **WorkShops**: J2EE Web Component Development, Refactoring to Pattern - An Extreme Programming

approach to the development and management of Java Projects

Application Developer, Technical Consultant
Self employed
January 1999–May 2003
- Designed and implemented a **real-time** financial data capturing and processing system, embedded with a Http server to enable web access (Tcl/Tk, Java, JMS and RMI).
- Development of an embedded system for TV set-top box (StrongArm , OS9). This project was funded by the Hong Kong Productivity Council.
- Web-server applications development and deployment (OfBiz, OpenACS, tclHttp, Jboss, Enhydra, Tomcat)
- Part-time Lecturer (Software Engineering)
- Development of a Java Swing based charting package. The charting package can be easily extended and customized for specific needs.
- Developed SVG visulation applications based on the Batik toolkit.

Lecturer
Department of Electronic and Information Engineering, Hong Kong Polytechnic University
May 1989–October 1998
- **Teaching duty** : Subject areas include; computer and operating system architecture, object oriented programming and design, network programming, programming languages, software engineering, information system, e-commerce, digital electronic and digital design.
- **Project Supervision** : Supervision of research projects and student projects.
- **Research Activities** : Operation system architecture, in particular Shared-Memory-Multiprocessor architecture ,distributed agent and object (MIMD) , parallel programming and processing (SIMD).
- **Administration duty** : Examination Officer, Network and Workstation Administrator.

Software Manager
Kowin Computer Corporation , Los Angeles
February 1984–September 1988
- Responsibled to the Director of Engineering in all aspects of software development.
- Responsibled for the design and implementation of the company's computer/workstation products.
- Managed a team of software engineers on the development of system and application software.
- Designed and developed the operating system (UNIX based) for the company's multi-processor computer system.
- Written various device drivers including a network driver for the company's proprietary IEEE-488 based multi-drop network.
- Ported various application software to the computer system, including an office automation suite.
- Provided marketing and customer support.

Senior Software Engineer
COMX World Operation Ltd.
April 1981–January 1984
- Responsible to the President of Engineering on software design and development.
- Developed the firmware and the operating system for a multi-user computer system and a hand-held computer. Written various system utilities, development tools, device drivers and games for the systems.
- (COMX World Operation Ltd. was a sister company of Comptec System Ltd.)

Operation Supervisor
Comptec System Ltd.
April 1980–March 1981
- Oversaw the installation, configuration and day to day operation of various in-house and customer's HP1000 computer systems
- Provide technical support to internal software staffs as well as customers of the company.

Academics

BS in Computer and Information Science, December 1979,
University of Hawaii

Skills

Collaborative eCommerce, Business process Modeling and Web Services Standards

BPEL4WS	BPEL4WS (Business Process Execution Language for Web Services) provides a language for the formal specification of business processes and business interaction protocols.
MDA	The OMG (Object Management Group) **Model Driven Architecture** ^{TM}

	is an new approach to writing IT system specification and developing application. MDA is based on a platform-independent model, and addresses the complete life cycle of designing, deploying, integrating, and managing applications using open standards.	
EIDX	Electronics Industry Data Exchange Group of CompTIA's Business Models.	
OAG BOD	Open Application Group's Business Object Document (BOD) structural and behavioral specification for data interchange (XML and WS-I compliant WSDL)	
UBL	OASIS Universal Business Language is a standardization of the Core Components Technical Specification (CCTS) for ebXML.	
BPML	BPML (Business Process Markup Language) is a meta-language for the modeling of collaborative and transactional business processes. It is defined by BPMI (the Business Process Management Initiative).	
ebXML	ebXML, a project sponsored by UN/CEFACT , consists of a suite of specification that provides an open XML-based infrastructure enabling the global use of electronic business information in an interoperable, secure and consistent manner by business enterprises of any size.	
Others	jBpm , WfMC's XPDL , Server Data Object (SDO) , JaWE	

Programming Languages C++, Java, Tcl/Tk, Python, Perl		
C++		12yrs
JAVA	Servlet, JSP, JMS, JSP tag libraries (JSTL), EJB, JSF, JUnit, Jakarta Commons • Eclipse - an universal tool platform and an open extensible IDE.	7yrs
XML	RELAX NG , Axis , Xerces , Xalan , FOP , JAXM, JAX-RPC, JAXB	
AOP	Spring AOP , AspectWerkz , AspectJ	
Tcl/Tk	Tcl is a high level embeddable and extensible scripting language. It is a "glue" language used by 500,000 users. Various Tcl/Tk extensions I have extensive experience with :- iTcl, BLT, TclSOAP, TclXML and TclDOM	6yrs

WEB application frameworks and tools		
OFBiz	The Open For Business Project is an open source project that provides a J2EE application development framework. The core of OFBiz includes a universal enterprise data model with 600+ entities and 3000+ relations.	3yrs
Spring	Spring is a layered Java/J2EE application framework. The heart of the framework is the bean factory. Spring's bean factory is built based the concepts IoC and AOP. Spring is a non-intrusive development framework. Spring provides plugins for popular open source packages such as Struts, Velocity, WebWork and Hibernate.	1yrs
Struts	A Model-View-Controller framework for building web applications with Java Servlet and JavaServer Pages technology	2yrs
XDoclet	An extensible, template driven EJB code generator and deployment descriptor generator. XDoclet enables " XP - Continuous Integration " in component-oriented development.	2yrs
Others	Mule Enterprise Service Bus (ESB) messaging framework, eXo Platform corporate portal , Apache JetSpeed-2 , Jakarta Turbine , Apache Cocoon , JBoss , Enhydra , FreeMarker , Velocity , JPublish , HttpUnit , Canoo WebTest , CruiseControl , Jira	

Operating System		
Linux		8yrs
Solaris		3yrs
OS9	a real-time operating system (RTOS) for embedded systems	3yrs

Miscellaneous		
Modeling tools	Eclipse Modeling Framework (EMF) , Protégé/OWL , ArgoUML , Omondo EclipseUML	
Database related	MySql, PostgreSQL , hsqldb (a 100% Java DataBase), OFBiz's Generic Entity Engine , Jakarta's Torque , Castor , Hibernate .	
‡	Client/Server application development	5yrs
‡	Kernel and device drivers development.	10yrs
‡	Embedded system and single board computer development	5yrs

• EDI Systems Services Limited (EDI) was established in 1991, as a spin out of the EDP department of Dispatch Services Logistics (DSL). DSL was a freight forwarding and logistics company, and was acquired by Mearsk Sealand. In 2003, the ex-chairment of DSL attempted to re-establish the logistics operation and appointed EDI to develope a logistics execution application.

• Sun Wah - PearL Linux Limited is a centre of the Hong Kong Polytechnic University dedicated to deliver formal Linux professional training services, software development and Linux resources centre to Linux users

and interested parties in the Asia Pacific region.

- Based in Montebello, CA, **Kowin Computer Corporation** was founded in 1983. Kowin was dedicated to bringing high powered, easy to use, affordable multi-user computer systems to every business desktop.

  Kowin introduced its first multi-user desktop computer system to the marketplace in 1986. The system was powered by two tightly-coupled Motorola 680X0 processors fitted on a 8.5 by 11 inch PCB.

  The system came with the powerful AT&T Unix V Operation System specially tailored to take full advantage of the multi-processors architecture. In addition, the system was bundled with an Office Automation Software.

- **COMX World Operations** was an associate member of the Hong Kong-based Wo Kee Hong Group. The company launched its multi-user microcomputer system DL-1 in 1982. The microcomputer system was based on the Motorola 6809 processor. Up to eight terminals can be supported by a basis system.

  One unique feature of the system is the memory mapper, a memory management unit which allow the system to break the 64K memory limitation imposed by the processor

- **Comptec System Ltd.** was a solution provider system house. It was an OEM of HP minicomputer, CalComp Digitizer, Tektronix Graphic Terminal and a host of other computer products. Its clients consisted of architectural firms, paging companies, and geographical surveyor.