

Kusno Mudiarto

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Seek a mobile wireless application developer position

utilizing the following experience :

- 9 years of professional software development, including 3 years on wireless application development.
- Wireless development experience with multiple handsets, platforms & carriers in the international market.
- Very strong embedded C/C++ programming.
- Experience with Symbian, J2ME, Linux Mobile, pSOS, Nucleus.
- Entrepreneur minded, with strong desire to learn, improving myself and the world around me.

Technical Expertise

Languages	: C++, C, Ruby, Java, Intel & ARM Assembly Language.
OS / Frameworks	: Windows, Linux, OS X, pSOS, Symbian, J2ME, Rails, GWT
Concepts	: web browser, web application, instant messaging, portable code, embedded system, fault tolerant system, redundancy, distributed system, multi-tasking, networking, extreme programming, OOD, OOP, design pattern, SCM, HTML, WML, CSS.
Software/Hardware	: Eclipse, Microsoft Visual Studio, VIM, Subversion, Rational ClearCase, Compuware DevPartner, JTAG, etc.

Professional Experience

Senior Software Engineer, Team Lead, *Sky Mobile Media, Inc., San Diego, May 2004 - now*

Worked on SKY Mobile Application Platform, a platform approach to the development of mobile devices. Accomplishments on multiple projects:

- **Web Browser**

Manage a team of 6 to develop and maintain SKY Browser. Work closely with customers, product manager, system architect and QA team. Design and develop web browser framework, layout engine, parser, CSS Module, HTML & WML module, ECMA / Java Script Integration, and network module. Ported on multiple handsets and platforms, integrated with multiple vendors, carriers, and supports multiple customers across the world.

- **Instant Messaging, PTT**

Designed and developed SKY Instant Messaging, an IM client that supports Wireless Village protocols. Passed the OMA test certification in November 2004. Also took part in Push To Talk team, created a working prototype, and transferred the knowledge to SKY-India

- **Build Manager**

Helped software builds before SKY has dedicated build manager. Developed utilities and tools to optimize build process and reduce inefficiencies and repetitive tasks.

Software Engineer, *Zap Exchange, Santa Rosa, CA, November 2003 – May 2004*

Worked on Zap, a voice instant messaging system for mobile phone using Jabber protocol. Designed and developed database access interface, internet access interface, voice recording interface, and Base64 Encoding/Decoding over J2ME and Symbian OS.

Software Engineer, *Gluon Networks, Inc., Petaluma, CA, June 2000 - November 2003*

Worked on CLX (Converged Local eXchange) switch, a compact next generation broadband Class 5 local switch. Accomplishments on multiple projects:

- **Fault Tolerant Logging System**

Designed and developed Log Manager, a high-performance, distributed, fault tolerant and redundant logging system, running on 2 disk equipped cards and 14 diskless secondary cards.

- **Database Server**

Managed Polyhedra database code (3rd party embedded real-time, fault-tolerant database server) with a team of 3. Improved and modified polyhedra database server code to match CLX environment and requirements.

- **Networking, System Services, and Frameworks**

Developed and maintained CLX OS framework with a team of 3. Features developed including operating system transparency layer for pSOS and Windows, and multiple system services including TCP/IP, timer, messaging, memory allocation, synchronization, and various data structures. Also designed CLX CLI subsystem, accessible through telnet & serial port.

- **Call Features**

Designed and developed several call features, including : Line Intercept feature, Ringback Call Test Line, Installed Number Verification Test Line, and Permanent Busy Test Line.

- **Daily Load Tests**

Helped perform daily load sanity tests for multiple builds and releases. Assisted management and the software group on the load condition and problems. Worked together with offshore software development team to debug software, hardware, testing equipment or configuration problems.

System Analyst, *IAO, Surabaya, Indonesia, November 1999 – December 1999*

Worked on VICO's LNG 2000 preliminary system design with a team of 3. This system is used to predict the production and sales of VICO's LNG. Worked closely with VP finance and VP supply chain management to analyze and collect the requirements for VICO's LNG 2000 system. Presented the result to the top management team.

System Analyst and Network Management, *Bengawan Murni Ltd., Surabaya, Indonesia, January 1998 – June 1999*

Analyzed, designed, and developed accounting and payroll system software utilizing Fox Pro and SQL. Worked closely with the head accountant and HR. Also managed and troubleshot computers and network system with over 20 users.

Education

- Sepuluh Nopember Institute Of Technology, Surabaya, Indonesia
Bachelor of Science - Computer Engineering, 1994-1999
- WindRiver pSOS Training, Sunnyvale, CA, April 2001
- Standard Test GRE Nov. 1999 : Verbal:370/800, Quantitative:780/800, Analytical:800/800