

Lim, Boon Ping (Authenticated)**Last Update:** 18 Oct 2008**Contact Info**

Address : A-04-19, Desa Tanjung Apartment, Pusat Bandar Puchong, Puchong 47100, Selangor, Malaysia.
Mobile No. : 0123180321
Email : syseeker@yahoo.com

Personal Particulars

Age : 28 years
Nationality : Malaysia
Marital Status : Married
Permanent Residence : Malaysia

Date of Birth : 30 Oct 1980
Gender : Female

Educational Background**Highest Education**

Level : Master's Degree
Field of Study : Computer Science/Information Technology
Major : Data Communication & Network Security
Institute / University : Multimedia University Cyberjaya
Located In : Malaysia

Grade : Pass/Non-gradable
Graduation Date : Aug 2005

Second Highest Education

Level : Bachelor's Degree
Field of Study : Computer Science/Information Technology
Major : Software Engineering
Institute / University : Multimedia University Cyberjaya
Located In : Malaysia

CGPA : 3.82/4
Graduation Date : Aug 2002

Certification

	<u>Year Obtained</u>
Sun Certified Java Programmer (Java 2 Platform)	2003
Diploma in Computer Science/Information Technology	2000

Employment History

- Company Name** : Panasonic R&D Center Malaysia
Position Title : Senior R&D Engineer
Position Level : Senior Executive
Specialization : IT/Computer - Software
Industry : Computer / Information Technology (Software)
Date Joined : Aug 2005
Date Left : -

Work Description :**EXPERIENCES GAINED:**

 3++ years of corporate R&D experiences in
 - developing future R&D software prototype for 3-5 years technology,
 - project showcase & business promotion
 - driving patent activities and write invention disclosures,
 - participation in IETF standardization activities,
 - software development process (CMMI).

RESPONSIBILITIES:

 - Oversee a team of 7 engineers to drive patent and software development activities.
 - Identify functional gaps and translates business problems and requirements into technical design.
 - Manage and negotiate with Japan customers on functional requirements, scope of work and project deployment schedule.
 - Strategies, plan, and organize during different phases of SDLC.

ACCOMPLISHMENT:

 Experience in developing software on PC-based and embedded linux platform (Panasonic Uniphier) using C/C++.
 - Video Conference System Developed an application layer multicast-based high-definition life size presence system.
 - Virtual Media Link - Developed an application layer middleware for service discovery, advertisement, control and eventing to suite distributed and collaborative media communication and processing needs.
 - Content Aware Reliable AV Storage - Developed a prototype for AV content reliability service based on XOR-ing concept, leveraging on maximizing device capabilities and resource usage of home CE devices for distributed parity

processing and storage.

- IFO Generation MPEG TS-PS Transcoding from Blu Ray to DVD format - Developed a prototype for conversion of Blu-rays metadata to DVDs IFO metadata for backward compatibility.

4 patents filed to date with extensive worked on research problem identification, prior art search, patent idea generation, proposal defense and invention disclosure drafting.

2. **Company Name** : Intel Technology Malaysia & Multimedia University

Position Title : Intel Scholar / MMU Research Officer

Position Level : Fresh/Entry Level

Specialization : IT/Computer - Software

Industry : Computer / Information Technology (Software)

Date Joined : Sep 2002

Date Left : Jul 2005

Work Description :

Research objective: To design and implement denial-of-service attacks detection and defense system on network processor platform.

- Analyze and evaluate the performance and limitations of various proposed approaches in combating DDoS, especially towards syn-flooding.

- Design and develop detection and defense algorithms for syn-flooding attacks.

- Implement algorithms on Intel IXP network processor using microcode at data plane and C on XScale processor at control plane.

- Develop a SYN-flooding defense system embedded router on Intel network processor IXP 2400 platform.

- Experience in configuring, compiling and using GCC cross compiler toolchain for embedded system development.

- Design and set up a testbed environment for hardware-based performance benchmarking and evaluation.

- Familiar with Linux networking functions in the setting up of the testbed.

- In-depth knowledge of TCP/IP and network security.

- Other tasks included research of topics for network processor introductory class and assist in teaching for undergraduates Computer Network lab sessions.

3. **Company Name** : IBM Malaysia

Position Title : Industrial Trainee

Position Level : Fresh/Entry Level

Specialization : IT/Computer - Software

Industry : Computer / Information Technology (Software)

Date Joined : May 2001

Date Left : Aug 2001

Work Description :

a) Project Name: General Price Action(GPA)

Brief Desc. : Involved in General Price Action (GPA), which executes increasing of maintenance charge upon IBM machines.

Duration : 1 Month

Skills/Tools : IBM MAM system

b) Project Name: Palm Briefcase for Standby Manager

Brief Desc. : Developed Standby Manager Briefcase on Palm for managers in the department of ITS to ease standby operations, whereby standby manager can retrieve contact information, rules and regulations, organisation charts, and flow of works fast and accurately through IBM Workpad during standby period.

Duration : 3 Months

Role : Designer and developer

Team Size : Individual Project

Skills : a) Able to conduct thorough research on developing an application in individual, by taking initiative to approach skillful experts and collect information from the Internet. Not to mention the skill in palm application development through programming and various devices configuration.

Tools : Visual Age Micro Edition (VAME), J2ME, KJava and etc.

Top Skills

Skill	Years	Proficiency
TCP/IP	>5	Intermediate
Embedded Linux	5	Intermediate
C++ Language	5	Intermediate
Project Management	3	Intermediate
Distributed / P2P Networking (SIP, UPnP, CORBA)	3	Intermediate
Audio Video (H.264, MPEG)	3	Intermediate

MYSQL	2	Beginner
Facebook development platform	1	Beginner

Languages

Proficiency (0=Poor - 10=Excellent)

Language	Spoken	Written
Chinese	10	10
English	8	8
Bahasa Malaysia	5	8
Japanese	1	1

Additional Info

RESEARCH SKILLS

- Strong background in R&D problem exploration and problem solving.
- Good experience in proposal defense and invention disclosure drafting.
- Research publication and technical report writing.

TECHNICAL SKILLS

- In-depth knowledge in Universal Plug-and Play (UPnP), MPEG audio-video transcoding, distributed application middleware (SIP, SDP, ALM, CORBA, ICE), content reliability and network security.
- Good knowledge and experience in prototype design for distributed client-server/P2P application.
- Knowledge in embedded system (Intel IXP platform, Panasonic Uniphier platform).
- Network security, specified in DDoS.
- Knowledge of TCP/IP stack.
- Experience in using Unified Modeling Language (UML) for software analysis and design.
- Advance web-based application development (Java, PHP, ASP).
- A seasonal facebook application developer, familiar with facebook development platform specifically using PHP, Javascript, AJAX, MySQL, Symfony framework.

OPERATING SYSTEMS

Linux Kernel 2.6, Red Hat/Fedora, Embedded Linux (Panasonic Uniphier, MontaVista), Window.

PROGRAMMING

- 6++ years experience with C/C++ programming for linux-based PC and embedded system development.
- Good experience with microcode (assembly level language) programming for the microengines (multi hardware threaded RISC) in the Intel IXP2400.
- Experience in CORBA & IDL for distributed object computing, Parallelaxis & MPI library for parallel processing, Prolog & LISP for artificial intelligence, OpenGL for computer graphics and Java/JSP/ASP/COM+/Perl-CGI for web development.

DATABASE

- MySQL

PUBLICATIONS

Application Layer, Ettikan K.K, Lin En Shu, Truong Khoa Phan, Nam Thoai, Eiichi Muramoto and Tan Pek Yew, Bandwidth Fair Application Layer Multicast for Multi-party Video Conference Application, to be in proc of . IEEE Consumer Communications & Networking Conference, Jan 2009.

Truong Khoa Phan, Nam Thoai, Eiichi Muramoto, Khanh Duy Banh, Ettikan K.K, Lim Boon Ping and Tan Pek Yew, Xcast6 Treemap A hybrid approach of Application Layer Multicast and Xcast6, submitted to USENIX Symposium on Networked Systems Design and Implementation, Apr 2009.

Lim Boon Ping, Lin En Shu, Ettikan K.K, Eiichi Muramoto and Tan Pek Yew, Application of the ALM Technology on PeaksPro II, 26th Annual Panasonic Technology Symposium, December 2008.

Lim Boon Ping, Ettikan K.K, Tan Pek Yew, Eiichi Muramoto and Taisuke Matsumoto, Application Layer Multicast Video Conference, 25th Annual Matsushita Technology Symposium, December 2007.

Lim Boon Ping, Ettikan K.K, Tan Pek Yew, Miyake Yasushi and Naohisa Tanabe, AV Content Reliability in Home Network, 24th Annual Matsushita Technology Symposium, December 2006.

Lim Boon Ping, Ang Boon Poah, Ettikan K.K, Lam Yoke Khei, Performance Tests on Distributed Real-Time and Embedded Middleware, In Proceedings of M2USIC International Symposium, November 2006.

Ettikan Kandasamy Karupiah, Lim Boon Ping and Tan Pek Yew, Effect of AV Traffic on UPnP Advertisements in a Home Network Environment, In Proceedings of IEEE International Conference of Networking (ICON), September 2006.

Lim Boon Ping, Md Safi Uddin, Synmon Architecture for SYN-flooding Defense Using Network Processor, In Proceedings of Asia Pacific Conference on Communication (APCC), October 2005.

Lim Boon Ping, Md Safi Uddin, Statistical-based SYN-flooding detection using programmable network processor, In Proceedings of IEEE International Conference on Information Technology and Applications (ICITA), July 2005.

Lim Boon Ping, Md Safi Uddin, A proposition towards mitigation Of DDoS attacks using high speed programmable network processor, In Proceedings of M2USIC International Symposium, October 2003.

Toufik Taibi, Lim Boon Ping, Ng Sheau Wen, Lai Kiat Sing, Chew Keow Lim, Developing a distributed stock exchange application using CORBA, In Proceedings of IEEE Student Conference on Research and Development, August 2003.

TRAINING COURSES ATTENDED

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1. Patent Filing & Invention Disclosure Drafting by Ella And Cheong, Sept 2005.
 2. Patent Claim Writing Skills, by IP Academy Singapore, April 2006.
 3. Serial ATA, November 2005.
 4. Embedded Linux Hands On Workshop, May 2006.
 5. Video Streaming Standards JPEG/MPEG/H.264 Hands On Workshop, December 2006.
 6. Effective Win-win Negotiation, January 2007.
 7. Effective Personal communication skills, March 2007.
 8. NLP Break-Through Program, August 2007.

COURSES

Parallel Processing, Data Communication and Telecommunication, Computer Network, Machine Architecture, Compiler Design, Computer Security, Artificial Intelligence, Operating System, Algorithm Analysis, Software Engineering, C/C++, Java and Logic Programming, Probability and Statistics, Mathematical Techniques, Resource Management Techniques. Full transcript available upon request.

CERTIFICATION / AWARDS / ACTIVITIES

24th Annual Matsushita Symposium Best Presentation Award; Sun Certified Java Programmer (Java 2 Platform); Intel Research Scholar; PTPTN Full-scholarship Holder; Dean Award for all 7 semesters during Degree course; Best Student Award for all 4 semesters during Diploma course; President of Debating Society; Editor-in-Chief of JitSin School Bulletin Board; Editor-in-Chief of JitSin Graduation Book 1997; Representative of Penang State for National Chinese Debating Contest 1996.

Availability : Immediately after notice period of 2 month(s)

Miscellaneous

Expected Monthly Salary : MYR 7000 (Negotiable)
Willing to Travel : Heavy (>50%)
Willing to Relocate : Will Consider
Possess Own Transport : Yes
Awards : 24th Annual Matsushita Symposium Best Presentation Award; Sun Certified Java Programmer (Java 2 Platform); Intel® Research Scholar; PTPTN Full-scholarship Holder; Dean Award for all 7 semesters (Degree); Best Student Award for all 4 semesters (Diploma)
Personal Strengths : outspoken, adventurous

References

Name : Md. Safi Uddin
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Position : Lecturer
Company : Multimedia University
Relationship : Master Degree Supervisor

Name : Toufik Taibi
Telephone No. : 06- 03- 83125397
Position : Lecturer
Company : Multimedia University
Relationship : Final Year Project Supervisor