

# Hyun Sung Yang

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## SUMMARY

Pragmatic software design and development experience ranging from extremely high reliable and high capacity telecommunication servers to core kernel components for the real-time embedded systems.

## EMPLOYMENT HISTORY

### **2009.5 ~ Present: ResMed**

Senior software engineer. Designed and implemented software for medical devices (sleep disorder). Development under Windows/Visual Studio.

- Micro C OS 2
- Java/C++

### **2002.3 ~ 2009.4, Samsung Electronics (Seoul/Korea)**

Senior software engineer.

2006 ~ 2009, Software optimization for multicore systems (ARM SMP)

- Carried out optimizations for multithreaded SW (i.e., H.264 codec)

2002 ~ 2006, Java virtual machine for mobile phones.

- Ported and optimized Java virtual machine and library (CLDC/MIDP) for mobile phone  
: products shipped to USA

### **1995.3 ~ 2002.2, Seoul National University (Seoul/Korea)**

Full-time Graduate Student.

2000 ~ 2002: Ph. D Thesis

- A study on the optimization of database query.

1997 ~ 2002: Part Time Lecturer

## EDUCATION

2002, Ph. D. in Computer Science, Seoul National University, Seoul, Korea

1997, B.S. in Computer Science, Yonsei University, Seoul, Korea

## TECHNICAL SKILLS

- Linux/Unix programmingHigh performance library/framework design and implementation
- Telecommunication protocol stack design and implementation

- Mission critical/high capacity server design and implementation(TCP/IP, multithreaded/multi-processed, IPC)
- Linux kernel development
- Large/complicated S/W analysis/development experience
- Object oriented design and programming
- Strong C++(STL/Boost)/C and python

## **REFEREES**

James Han: ResMed (Sydney, Australia)

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Brandon Lee: Samsung (Seoul, Korea)

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