

Evan Yuan

Embedded Software Engineer

Markham, ON - Email me on Indeed: [indeed.com/r/Evan-Yuan/ab5c77c67bdbd259](https://www.indeed.com/r/Evan-Yuan/ab5c77c67bdbd259)

- # 10 years experience in embedded software design and development, mainly with C and C++ on real-time multi-task system program
- # Experience in working with various microcontrollers (ARM7, ARM9, MIPS32, PowerPC860, PowerPC630) and RTOS (VxWorks, PSOS)
- # Strong knowledge of networking technologies and concepts (SNMP, IP routing, Ethernet, LAN switching, networking protocol)
- # Experience in low-level protocol (I2C, SPI, RS232, OSD, CEC)
- # Certification of RHCE (Red Hat Certified Engineer)
- # Excellent skills in research and analysis, project planning, and implementation
- # Excellent communication skills and interpersonal skills
- # Good team player and fast learner with strong initiative

WORK EXPERIENCE

Embedded Software Engineer

Peoriv Technology Co., Ltd - ### - 2009 to 2012

Beijing, China

A hotel system solutions provider which is dedicated to providing hotel communication system and media system solutions

- # Designed, developed and tested the firmware of the Video Converter product, released from version 1.0 to version 4.0
- # Migrated and tested Android OS and Linux (2.6.25) on ARM9 (S3C2440)

Senior Embedded Software Engineer

Raisecom Technology Co., Ltd - ### - 2003 to 2008

Beijing, China

A vendor for service provider access services, providing end-to-end network solutions

- # Contributed high quality design, code and documents for modules including SNMP, access control management, policy, rate-limiting, loopback detection, telnet and drivers in the Ethernet switch product version 1.0 system software
 - # Improved the system performance in version 2.0 & 3.0 after more focusing on design and review as a senior software engineer. Result: Good market feedback
 - # Resulted in a good market adoption by providing solutions for several new products
 - # Provided on-site consulting to the major customers
 - # Coached new hires to do software testing. Helped the new hires to be familiar with the product quickly and reduced 70% bug-rate in QA team
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Embedded Software Engineer

DaTang Beijing R&D Center - ### - 2001 to 2003

Beijing, China

Former R&D Center of DaTang Telecom Group

- # Designed and programmed the Forward Information Base module of the router

- # Developed a simulation environment of the router hardware with C++ on Psosim
- # Developed all the device drivers and VLAN function module in the VDSL project
- # Contributed to the release of the VDSL product in a very tight timeline
- # Exploited the VDSL point-to-point management interface with VB
- # Developed a testing tool to help hardware engineers discovered several defects in hardware design and fixed them eventually

SKILLS

C/C++, VB, Perl, Vxworks, PSOS, Psosim, ClearCase, ClearQuest, Tornado, Keil, JTAG, ARM, PowerPC, C8051, I2C, SPI, RS232, OSD, Bluetooth, CEC, SNMP, VGA, HDMI, SmartBits, IXIA, Marvell, Broadcom

EDUCATION

Yorkdale Adult Learning Centre - Toronto, ON
2012

M.Sc. in Communication & Information System

Beijing Jiaotong University - ###
2001

B.Sc. in Applied Physics

Beijing Jiaotong University - ###
1998