Sridhar Vasudevan
5002 Stearns Hill Road
Waltham, MA 02451

Cell: 704-560-4056
Email: sridhar@vasudevan.org

Experience

- **Senior Software Engineer**
  Kada Systems Inc. Burlington, MA   Aug 2001 - Present

  - designing and implementing a portable application management system meeting the 'over the air' provisioning requirements of the MIDP 2.0 specification.
  - led a 3 member team in building a CLDC 1.0 / MIDP1.0 JVM for the TCS2100, a TI GSM / GPRS chipset running Riviera - a custom platform built on nucleas operating system.
  - implemented key components of the VM including the memory manager, optimized assembly interpreter [ARM-7], event handling mechanism, asynchronous networking layer etc.,

- **Software Engineer**
  GloPeX Inc. Fremont, CA   Apr 2000 - Aug 2001

  - Xalchemi, a javacc based tool for dynamic rule based content extraction. Defines a hierarchy of parsers which simulate a set of deterministic FSMs to extract data to a normal form.

- **Research Assistant**
  Concurrent Engineering Research Center, WVU   Jan 98 - Apr 2000

  - Scaleable Reliable Multicast protocol [SRM]- sits on UDP and uses very limited control information.
  - layer over MS-DOS providing multitasking, process scheduling, serial port / printer drivers etc.
  - lex and yacc based Ada to C translator.
  - XML based interaction with CORBA services.
  - H.324 video conferencing client, plus J2EE server based telemedicine system for home health care.

- **Design Engineer**
  Mediwave, Bangalore India   Sep 97 - Dec 97

  - 8085 based milliAmpere Second Meter [mAS meter] to calibrate medical X-Ray equipment.

- **Project Trainee**
  Center for Artificial Intelligence and Robotics [CAIR], Bangalore India.   Aug 96 - Aug 97

  - Measurement of metal surface finish using lasers and image processing algorithms.

Education

M.S. Computer Science, West Virginia University,   Spring 2000
B.S. Instrumentation and Electronics, RVCE Bangalore University,   Fall 1997

Computer Skills

Languages: C++, C, java, Ada, PL/SQL, lisp, x86 and ARM assembly languages.
Operating Systems: Linux, Palm OS, Pocket PC, Nucleas, Win32
Tools: Code Composer Studio, Visual Studio, DDD, Metrowerks CodeWarrior etc.,
Other: lex, yacc, javacc, LATeX, Oracle, etc.,

Publications

S.Vasudevan, K.J Cleetus: Low Cost Telemedicine for Home Health Care *in Proc., IEEE 10th International Workshop on Enabling Technologies, Infrastructure for Collaborative Enterprises. Massachusetts Institute of Technology, Cambridge MA.* June 2001

S. Vasudevan, K. Sudhir: Measurement of Surface Finish Using Digital Image Processing Techniques.*In Proc., NIECEFEST 97, National Level Technical Symposium, Institute of Electronics and Telecommunication Engineers, NIE Mysore, India.* July 1997