

Ravi Surulikamu

(650) 451 8380 • sravi.in@gmail.com
460 Oak Grove Dr #106, Santa Clara CA 95054

Summary

Networking professional • 10+ years of experience • C programmer on linux
strong software design skills • strong debugging skills • strong problem solving skills

Software Skills

Programming/Scripting

C (strong) • C++ • perl • python

Operating Systems

Linux/Unix • VxWorks

Networking/Protocols

TCP/IP • UDP • SMTP • DNS • SIP • IMS
• MSRP • SigComp

Experience

Software Engineer

Alcatel-Lucent

Oct '14 - Current

developer in session manager team for 4G LTE networks • porting & integrating an open source DNS library for 7750 mobile gateway

Software Engineer

Arista Networks

Jan '14 - Sep '14

developed a framework to gracefully take a switch out of (or put it back in) network for maintenance • added support for IP Mroute SNMP MIB (RFC 2932) in Arista EOS

Software Engineer

Cisco Systems (formerly Starent Networks)

Aug '05 - Jan '14

designed & developed a framework for integrating SigComp stack in CSCF • a DNS client for Cisco ASR 5000/5500 platform • a library for backing up and restoring provisioned intercepts to file system • a library for managing NAT/Firewall pinholes for Application Level Gateway • a library for managing registered subscriber information in CSCF

implemented NAT Traversal of MSRP media (RFC 6135) • 3GPP TS 32.409 performance counters for P-CSCF & S-CSCF • MD5 authentication (RFC 2617) support for IMS • SIP registration support for RFC 3261 Proxy, P-CSCF & S-CSCF (3GPP TS 24.229)

opensource added presence static dictionary support (RFC 5112) for decoding SigComp message in wireshark

test tools co-authored an automated test framework, Yatt • developed a SigComp test tool, sigctt • developed a web-based test framework for performance testing of SIP/SigComp protocols

others developed a solution for lawful interception for IPSG product • developed a solution for control plane adaptation of Adaptive Bit Rate (ABR) video • worked on video pacing for mobile videos • developed a custom solution for E-CSCF to support legacy network

Member Technical

Juno Online Services (now United Online)

Jun '04 - Aug '05

engineer responsible for email operations & technical escalations • developed a set of perl scripts to effectively control spam mails at various stages • developed a set of perl scripts to report statistics about virus mails received every day • researched on spam samples to find new patterns and assist developers to control spam at various levels

Education

Bachelor of Electronics and Communication Engineering

May '04

College of Engineering, Guindy, Anna University • India