Rahul Gopinath

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Education

2010	**M.S**, *Illinois Institute of Technology*, USA.
2000	**B.tech**, *Kerala University*, India.

Experience

2004–Now — **Member of Technical Staff**, *Sun Microsystems*, India.

Integrated various Apache modules and Squid Cache for OpenSolaris

Build framework which enabled non-root, relocatable installations of opensource components and developed common service functions library for Web Stack

Web Server Clustering with Session Failover capability, Implemented TCL shell scripting for administration. Reverse Proxy feature, FTP, (SSL) CONNECT and SOCKS protocols in Webcache, Contributed to caching subsystem including cache manipulation tools and cache eviction, implementations of ICP and CARP cache coordination protocols.

2002–2004 — **Member of Technical Staff**, *Quark Media House*, Chandigarh.

Loadbalancer and Caching implementation for Quark Document Server farms.

XSLT presentation, simple messaging interface for QWAF application server that used a CORBA based backend.

2000–2002 — **Developer,Research Group**, *SunTec Business Solutions*, Thiruvananthapuram.

Worked in Transaction rating and billing engine for telephony call records, SOAP Service API design and implementation for TBMS, Worked in TBMS client providing domain sensitive caching and transaction control.
- Prototyped a simple application hosting using Apache,
- Prototyped an OS-KIT based standalone kernel that could be used as a rating appliance

Highlights

- Ten years of experience working in global teams with diverse requirements
- Designing, debugging and optimizing multi-process multithreaded servers in Unix.
- Cache co-ordination protocols, caching, load-balancers, and web infrastructure.
- Professional experience in C++ and Java, Have working knowledge of Perl, Python, Ruby, Scheme, TCL, Erlang, Forth, Smalltalk
- Knowledge of OpenMP, MPI, Parallel Fortran

OpenSource

- Contributed to Apache HTTPD and mod-scheme Apache module
- Contributed X-Windows API and a window manager to Syx Smalltalk
- Author of a concatenative programming language V

Research Interests

Theoretical foundations of Concurrency, Concurrent Languages, Distributed Systems

Achievements

Won excellence awards for two quarters in 2004 and 2005 at Sun Microsystems