CHOCKALINGAM ESWARAMURTHY

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EDUCATION

M.S, Computer Science **GPA**: 3.90/4 August 2011
University of Missouri – Kansas City

B. Tech, Electronics and Communications **GPA**: 9.23/10 May 2007
SRM University, Chennai, India

EXPERIENCE

Member of Technical Staff - Software, NetApp, Wichita, KS (Aug 2011 – Present)

- Implemented permission management feature for NetApp E-series storage controller firmware in VxWorks-C++
  - Implemented API for the management software to access this feature via storage protocols
- Implemented a diagnostic feature for NetApp E-series controller firmware in VxWorks-C++ to fetch diagnostic information from the controller's LED backend and display it to the user shell.
- Designed and developed unit and integration test framework in Java for a component of the NetApp E-series storage array.

Graduate Research Assistant, Department of Computer Science, UMKC (Sep 2010 – May 2011)

- Lead the design and implementation efforts for a dynamic routing scheme project in the NSF GpENI test-bed
- Added a new transport layer protocol (SCTP) in the Linux vanilla kernel of the test-bed to facilitate future experiments
- Invited to present this work at NSF-GENI research conference
- **Achievements:** Student Travel Grant Awardee, NSF-GENI research conference in Nov 2010 and Mar 2011
  Poster – Secure Virtualization at Intel Research Summit at Intel Chandler, AZ in Feb 2011

Graduate Teaching Assistant, Department of Computer Science, UMKC (Sep 2010 – Dec 2010)

- Initiated and designed the first programming assignment for a class of 50 students in Cryptology – 1 course

Quality Assurance Intern at NAIC Inc, Kansas City (Jun 2010 – May 2011)

- Analyzed and documented the performance of the company's website over a period of time using HP Quality center and Load Runner to help architects understand the load patterns to the website
- Implemented automated test scripts in BadBoy tool for new check-ins to the website ensuring the correctness of the fixes

Software Engineer at MindTree, Bangalore, India (Jul 2007 - Jul 2009)

- Designed and implemented a critical memory leak fix in Linux-C for a database activity monitoring customer that helped achieve better performance and scalability
- Designed the first data-loss-prevention (DLP) tool using only open source such as snort and i3fs that helped the customer gain a competitive edge in the DLP market
- Implemented an access control list module in Intel IXP 2400 micro-code which was used to configure a telecom customer's firewall product
- Mentored new MindTree engineers in C/C++ by designing programming assignments and quizzes
- Implemented a user interface in PHP for a remote power management tool as a part of MindTree's GreenIT initiative that helps lab admins monitor and control power consumption remotely
- Knowledge Management Lead: Drove the knowledge initiatives such as Video of the Quarter, Book of the Quarter, Systematic Innovation and Expertise Building for a team of 150 members; Helped create an efficient knowledge transfer process for the engineering department
- **Achievements:** Outstanding Knowledge Management Lead of the year 2009; Shining star (2008)

MASTER'S THESIS

- Proposed a new secure inter-domain routing protocol i-SiDR that uses innovative technologies like attribute based encryption and stream control transmission protocol that helps prevent today's inter-domain security vulnerabilities. This work was funded under the NSF-Future internet design project. Development Environment – GpENI test-bed, cp-abe toolkit, CentOS, Mac OS X, Linux development tools
- **Advisor:** Dr. Deep Medhi