

GIRISH AHER

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| OBJECTIVE | Seeking a full time position starting January 2009 in the capacity of Software Engineer utilizing my analytical and programming skills. |
| EDUCATION | Master of Science in Computer Engineering August 2007 to December 2008 University of Florida, Gainesville, FL GPA: 3.91/4.0 Bachelor of Engineering in Computer Engineering July 2001 to May 2005 University of Pune, Pune, Maharashtra, India Grade: First Class (65.5%) |
| SKILLS | Languages C/C++, Java, JDBC, Java Servlets, JSP, Javascript, AJAX, XML (DOM/SAX), ATOM. Tools Valgrind (memory leak detector), OpenSSL, SVN, CVS, VMWare Workstation, IBM MQ Series, rBuilder Platform (for Virtual Appliances), Rational's UML, awk Databases MYSQL, DB2. Platforms Linux |
| EXPERIENCE | Software Developer Intern May 2008 to Aug 2008 StrongMail Systems Inc., CA Transport Layer Security (TLS/SSL) for Marketing Email Servers (C++, Linux) <ul style="list-style-type: none">Designed and implemented Transport Layer Security (TLS/SSL+SMTP) for a high throughput Transactional and Marketing Email Server product, using the OPENSSL library. Senior Software Engineer July 2005 to June 2007 Cybage Software, Pune, India Warehousing and Reporting Server for a Computational Grid. (Java, JSP, Java Servlets, XML) <ul style="list-style-type: none">Developed application for extraction, analysis and visualization of data obtained from grids and clusters (Grid MP, LSF, SGE, and PBS) |
| ACADEMIC PROJECTS | Secure FTP with User Privilege Management using Capability Lists (Java) November 2008 <ul style="list-style-type: none">Designed and developed a client-server based file storage and secure file transfer Protocol, using PKI, secret key cryptography and Capability Lists for resource management. Atlas Reactivity Engine (Java) November 2008 <ul style="list-style-type: none">Designed and developed a rule-based middleware engine that uses the Event/Condition/Action paradigm to aid Atlas sensor platform programmers. Secure Employment Authentication Scheme (ongoing project) (C++/Linux) October 2008 <ul style="list-style-type: none">Developed a Client Server Authentication Protocol and implemented it using PKI and secure hashes. Block based cryptographic encryption schemes (C++/Linux) September 2008 <ul style="list-style-type: none">Implemented block based security encryption algorithms: CBC, CFB, OFB. Compiler for language Pico+: (ongoing project) (Java) September 2008 <ul style="list-style-type: none">Designed and implemented the various stages of the compiler for Pico+. BitTorrent Simulation (Java) April 2008 <ul style="list-style-type: none">Implemented multithreaded client-server architecture to simulate the BitTorrent protocol. The BOGGLE Game (http://sand.cise.ufl.edu:15000/boggle/) (Java) February 2008 <ul style="list-style-type: none">Designed and implemented a networked multiplayer boggle game to get hands-on experience in applying multithreading and synchronization concepts. Mobile Client and Proxy Server Implementation (Java, J2ME) September 2008 <ul style="list-style-type: none">Implemented a 'Mobile Client and Proxy Server' architecture to manage the disease COPD using MIDP 2.0, Google Health APIs and Google Chart APIs. Simulator for MIPS Pipelined Microprocessor (C++) October 2007 <ul style="list-style-type: none">Designed and implemented a MIPS Simulator that disassembled binary code, followed by pipelined execution (4 stage) of the disassembled code with Cache Management. Virtual Appliance using rBuilder October 2007 <ul style="list-style-type: none">Studied the rBuilder platform for building Virtual Appliances and created a VMWare Virtual Appliance for the MySQL application. Performance benchmarking for Data Structures (C++) October 2007 <ul style="list-style-type: none">Implemented Leftist Trees and Binomial Heaps and benchmarked their performance. Computational Grid Prototype (Java, XML, MySQL, Servlets) March 2005 <ul style="list-style-type: none">Developed a Computational Grid prototype that harnessed the underutilized CPU cycles of machines in |

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the Grid network.

ACCOMPLISHMENTS **Certificate of Outstanding Achievement from the University of Florida**

- Recognizing excellence in academic performance.

2nd prize at Project Competition

PICT, Pune, India – ‘Impetus Project Competition 2005’

- **Computational Grid Prototype**

COURSES

Computer & Network Security, Mobile Computing, Computer Networks, Computer Architecture, Concurrent Programming, Operating Systems, Virtual Machines, Programming Languages.