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| **Karthik Naidu DJ** |  | Email: karthiknaidu.dj@gmail.com  Phone No.: 352-278-8210 |
| **Summary**  R&D engineer with strong academic background, excellent problem-solving skills, and practical experience in building large-scale real-time systems. | | |
| **Education**  MS in Computer Engineering, University of Florida. GPA: 3.45/4.0 Aug 2009  BE in Computer Science, Visveswaraiah Tech University, India. GPA: 4.0/4.0 July 2007 | | |
| **Technical Skills**   |  |  |  |  | | --- | --- | --- | --- | | **Programming:** | C, C++, Java, XML | **Scripting:** | Javascript, Perl, Python | | **Databases:** | SQL Server 200x, Oracle 9i, MySql. | **OS/Architecture:** | Unix, Windows, OS X / Solaris, IBM | | | |
| **Work Experience**  **Bloomberg LP, Software Developer, Trading Systems Team [Oct 2009 - Present]**  **Data-distribution server** (>X thousand quotes per second)   * Project lead for scaling this server; monitoring/fixing performance bottlenecks; responsible for expansion * Technologies: C++, Multi-threading, FIX Application protocol   **Trading Setup Screens**   * Designed and built core setup screens for traders; Technologies: C++, Javascript, XML, Python * Stats: ~50,000 hits per day, Bloomberg top 10 function, 0 major issues reported   **Scaled pricing infrastructure** (700 dbs migrated, services optimized for performance)   * Worked across the entire stack (UI fetch services, backend api, data distribution) * Early warning and auto expand mechanism for Trading Systems databases * Checks based on data size and machine load; run overnight, generate warnings   **Utility scripts, apis and email services** (in my own time)   * Daily portfolio status email to all traders; SVN checkin impact report * Automatic boiler plate code generation for db access routines   **Added Responsibilities**   * Mentor to one full time junior employee, providing support and problem solving assistance. * Technical Rep, providing technical guidance on software infrastructure issues. * Bootcamp mentor for Bloomberg training classes for new hires.   **Bloomberg LP, Software Developer Intern, Application Software Team [May – Aug 2009]**   * User analytics dashboard; scoring metrics; and recommendation for potential clients * Designed and implemented Bloomberg wide user tracking and recommendation system   **SumTotal Systems, Software Developer Intern [July 2008 – December 2008]**   * Worked on enhancements for ‘Performance Management’ product, * Contributed significantly to database design, and localization module development. * Member of Sustaining Engineering Group (size 5) for fixing high priority client issues.   **HP – Hewlett Packard, Software Developer Intern [Jan 2007 - July 2007]**   * Spearheaded the development of Transport Scheduling System, successfully formulated optimal and cost effective routes for intra-city shuttles in one of India’s most congested cities – *Bangalore*. * Simulated Global Positioning System, to deliver real-time shuttle tracking and arrival information.   **ICRIS.net, Co-founder, Database Team Lead [May 2004 – Dec 2006]**   * Started this company as a part-time consulting business with friends to consult on small projects, * Lead the backend team, worked on database design and designed UX framework.   **University of Florida, Web Developer [Jan 2008 – July 2008]**   * At the Web Implementation Center, I have done full product development cycle - gathering requirements, design, development and maintenance   **Globals Inc., Junior web developer [Jan 2000 – Dec 2002]**   * Early employee; junior web developer at the age of 14; pitch to clients and investors. | | |
| **Side/Course Projects**   * Jammmin: Music jamming and collaboration app with social integration, Role: Design-Product guy- Marketing; * Woodpecker: Social community for Craftsman with showcase, friend notification system, * OpenAuction: A trading auction app, (Java, multi-threading, concurrent programming) * BitShare: A bit torrent file sharing app, optimized for performance with choking mechanism (Java/Swing application) * SpamFilter - A production ready spam filter system, which meets real world accuracy metrics. | | |
| **Awards**   * ‘Graduate Student Achievement Award’ at University of Florida * Distinction Honors during Bachelors Degree. | | |