

SUMMARY

Software 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 Servers (>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 two 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.
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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.
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AWARDS

- 'Graduate Student Achievement Award' at Univ. of Florida; 'Distinction Honors' during Bachelors Degree.
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