

Real World IT



Abhishek Kumar, Sun Microsystem

“CIO is one of the most important roles; CIO’s decision on IT system governs the company’s growth. IT professional are required not only for IT corporate world but the organizations such as banking, retail, manufacturing, pharmaceutical and many more have established Chief Information Officer (CIO) to take care of their businesses through scalable and highly available IT infra.” Expressed by Abhishek Kumar, IT Architect, Sun Microsystem (Oracle Company) while guiding Computer Science & engineering / IT students of MIT, Aurangabad

With reference to the today's real IT world, Abhishek illustrated three aspects of Computing:

- A) Software (Programming)
- B) Hardware (Architecting)
- C) Management (Optimizing)

Furthermore Abhishek explained the typical datacenter stack comprising from top to bottom with the components: Application, Middleware, Database, Operating System, Operating Systems, Virtual Machines, Servers, Storage.

Following focus areas were thoroughly dealt:

- 1. Software Designing:** Frameworks, Distributed computing
- 2. Hardware Architecting:** Servers (RISC vs. CISC), Storage (Capacity vs. Performance), Network (Bandwidth vs. Scalability), Virtualization
- 3. High Availability**
- 4. Scalability**
- 5. Manageability** (Consolidation)

Finally, Abhishek advised the budding IT professionals: **to pay attention to basics, focus on theory, and keep an eye on new trends through participation in Open Source!**
