

ABHI DEVIREDDY

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EDUCATION

University of Minnesota Duluth UMD

Bachelor of Science, Computer Science, May 2011 GPA: **3.4/4.0**

Minor: **Electrical and Computer Engineering** GPA: **3.6/4.0**

COMPUTER SKILLS

Operating Systems: Linux, Windows, Solaris, BSD UNIX, Mac OS X, Cisco IOS

Languages: Ruby, Java, VB .NET ASP, C++, C, C#, Objective C, Perl, PHP

Enterprise Systems: Oracle SOA Suite, PeopleSoft, Siebel CRM,
Retek, Highjump, MID Allocation

APIs and Frameworks: Ruby on Rails, JSF, EJB, RMI, RPC, .NET, Node.js, i18n

Server Architectures: Microsoft IIS, Tomcat, JBoss, Weblogic, Apache, nginx

Database Systems: Oracle, SQL Server, MySQL, Redis, MongoDB

BI and Big Data: Apache Hadoop, Microstrategy, SQL Server Reporting Services, SAS, SAP

COURSE WORK

Algorithms and Data Structures

Computer Graphics

Computer Architecture

Software Engineering

Digital Systems and Signals

Computer Networks

PROGRAMMING EXPERIENCE

Sr. Programmer Analyst, maurices, Duluth, MN, July 2011 – Present

- Managed and directed project teams for implementing over 2500 mobile devices in stores
- Worked with a team of analysts to create, maintain and support systems for various business units
- Worked with and authored complex workflow applications involving Retek Merchandising, MID advanced allocation and Highjump supply chain management
- Interfaced with external applications as part of financials workflow

Programming Intern, maurices, Duluth, MN, Mar 2011 – July 2011

- Designed and Implemented workflows in accordance with the given specifications
- Worked with VB and Microsoft .NET Framework to create applications for business processes
- Created applications to help with reporting and data mining needs in a retail setting
- Implemented integration points for external services which were part of the business process
- Worked on a team that coordinated application and system releases
- Engineered persistent applications using Oracle and SQL Server stores
- Worked with Production Control and Security Teams to deploy applications

Business Head and Lead Developer, hexPbx, Duluth, MN, Jun 2009 – Mar 2011

- Designed and implemented a Unified Communication System based on Open Source software
- Setup and managed virtual servers on VMware ESXi servers
- Designed virtual networks with QoS and worked with Cisco routers and switches
- Implemented iSCSI initiators and targets in a SAN setting

Programming Intern, Campus Crusade for Christ, Orlando, FL, Jun 2010 – Aug 2010

- Designed and implemented a Master Data Management System based on Oracle SOA suite for consolidating data and integrating various enterprise systems
- Used Java enterprise technologies to integrate systems on a limited budget
- Coordinated integration between Siebel CRM and PeopleSoft HR to ensure data integrity
- Used various testing frameworks like JUnit and Cactus
- Created BPEL processes to handle communication between different systems
- Responsible for upkeep and support issues on the created system

Team Member, Mathematical contest in Modeling, UMD, Jan 2010

- Received an honorable mention for original research in geographic profiling
- Modeled a serial killers movements using probabilistic analysis
- Programmed a map generator using JavaScript and Google Maps API

Team Member, Mathematical contest in Modeling, UMD, Feb 2011

- Successfully designed an snowboarding half-pipe which afforded maximum air
- Used Physics and Dynamics to model a structure using Mathematica

Google Summer of Code, Jun 2008 – Aug 2008

- Contributed open source code to a PHP-Imagemagick highlighting algorithm
- Analyzed data quality and data integrity on distributed systems

Open Source Contributions, Aug 2005 – Present

- Contributed source code and documentation to Firefox, phpWiki, phpBB and Ubuntu

RELATED EXPERIENCE**Lead Developer**, thnkslc.com (formerly hexPbx), Aug 2010 – Present

- Designed and developed a social networking portal for portfolio sharing
- Worked with Graphic Designers to make the look and feel of the site customizable
- Authored Aparchment, a expense tracking application for roommates
- Created and Implemented hexPbx, a Unified Communications System

Real-time Ray tracer, Computer Graphics, Jan 2010 – May 2010

- Programmed a live ray tracer with a compatible graphics library for mathematical modeling

Cryptanalysis of RSA SecurID, Feb 2010

- Researched the probability of collisions in the values generated by the RSA SecurID

ADDITIONAL EXPERIENCE**Resident Advisor**, UMD Housing, Duluth, MN, Aug 2008 – Mar 2011

- Led a team of 4/6 RAs to help students grow developmentally
- Worked directly with 60-150 students
- Planned and evaluated activities and events to educate students

Teaching Assistant, UMD Seminar, Aug 2008 – Jan 2011

- Planned classes aimed at First year students in college
- Helped students make a successful transition into college

Student Advisor, UMD First Year Experience, Aug 2008 – Jan 2011

- Worked with high school seniors and first year transfer students
- Helped students plan classes and pick majors
- Counseled students through an important decision making process

CERTIFICATIONS

Cisco Certified Network Associate (CCNA) – Jan 2008, Mar 2011

PROFESSIONAL MEMBERSHIPS

Member IEEE, Aug 2010 – Present

Member ACM, Aug 2010 – Present

References and portfolio available upon request