
Personal Information

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Education

Masters of Science in Computer Science, 2013

University of Colorado Denver, Denver, CO
GPA: 3.60

Masters of Business Administration, 2008

Daniels College of Business at University of Denver, Denver, CO
Concentration: Values Based Leadership
GPA: 3.73

Bachelor of Science in Computer Science, 2007

Metropolitan State College of Denver, Denver, CO
Minor: Mathematics
GPA: 3.28

Work Experience

Comcast (Comcast Converged Products) - Senior Software Engineer

Architecture and Development of the Next Generation of Video Delivery in to the House [2010 to Current]

- Roles: Manager (Team and Vendor), Architect, Developer (AS3, C#, Java)
- Developed large number of R&D prototypes for IP video delivery infrastructure during design phase of Comcast IP delivery platform. (Origin, Content Routing, CDN, Video Playback, Video Applications)
- Architected, Designed and Developed the unified Player Platform at Comcast.
 - Unified Standard API
 - Playing Video from Comcast CDN (VOD and Linear)
 - Emergency Alert System
 - 608/708 Closed Captioning
 - Secondary Audio Support
 - Analytics
 - DRM
 - Advertisement and Alternate Content
 - Blackout Support
- Started and grew the Player Platform team at Comcast currently nine dedicated developers, six dedicated QA, and multiple vendors.
 - Flash Player (Samsung TV, Desktop, Customer Premise Equipment)
 - Android Player
 - IOS Player
 - Porting Kit (Customer Premise Equipment)
- The Player Platform team delivers IP video players for all Comcast video applications. Current active products that include the player are listed below.
 - CIM Desktop:(<http://xfinitytv.comcast.net/>)
 - CIM Android:(<https://play.google.com/store/apps/details?id=com.xfinity.playnow>)
 - Xfinity TV on XBOX:(<http://www.xbox.com/en-US/live/partners/xfinity>)
 - Xfinity TV on Samsung
 - Xfinity TV @ MIT Campus
- Managed multiple vendors by driving requirements, roadmaps and deliverable time lines.
- Managed relations with multiple internal teams at Comcast during integration of the Player Platform.
- Developed the XBOX application for Comcast. (Featured in Engadget and many other web news articles during launch)
- Gained extensive experience in IP Video playback (HDS, HLS, Smooth, DASH)
- Gained extensive experience with DRM technologies (Flash Access, Microsoft Play Ready)
- Gained extensive experience in IP Video delivery.

Sapient (Government Solutions) - Associate of Technology (Consulting)

National Institutes of Health (NIH) Project [2008 to 2009]

- Roles: Developer(Java, TeamWorks, Jboss, Oracle), Project Management Support
- Developed BPM solution for NIH Enterprise Directory (NED) to implement Homeland Security Presidential Directive 12 (HSPD12) requirement for NIH.
- Tested the system via simulated unit testing and regression testing.
- Developed web service interfaces for enterprise application communication between NED and other Health and Humans Services applications.
- Performed project management task such as: preparing bi-weekly reports to the client, helping with planing of future development, helping with risk and issue analysis, and hiring.
- Mentored junior developer on the team.

FBI Innovari Project (OTD Track) [2007 to 2008]

- Roles: Java Developer(Spring, Struts, Hibernate, Tomcat, Oracle), Tester, Facilitator, User Trainer
- Developed on the OTD track using JAVA with Spring, Struts and Hibernate. Persistence tier development on Oracle.
- Developed a java based web-application for managing and tracking high volume of digital evidence and digital examinations for the FBI Technical Division.
- Tested the system via unit testing (JUnit) and regression testing(CruiseControl).
- Facilitated internal/client group discussions/meetings.
- Lead focus discussion meetings with clients to gather feedback during development, met with clients to gather functional requirements.
- Written user oriented documentation(User Manuals) and assisted with user training.

Sim Author/Westar - Application Engineer Intern

Customization and Testing of the Baseline Applications [2007 to 2007]

- Supervisor: David Whitney
- Role: Application Engineer
- Created automated and manual tests to demonstrate the correct operation of the baseline application.
- Created demonstrations for prospective customers utilizing the product's data visualization and analysis application software.
- Worked on data analysis projects with customer-defined applications and provide advanced technical support.
- Written analysis modules in .Net environment to provide customization for the plug in-based flight data analysis application.
- Created customized reports using Business Objects/Crystal Reports authoring tools.

ACS-Inc. - Computer Operations Lead

Computer Operations of Child Support Services in Colorado [2006 to 2007]

- Supervisor: David Hayden
- Role: Operations Lead
- Operation and maintenance of the IBM AS/400.
- Management of servers and network.
- Technical documentation for distribution of new software.
- Generation of reports for the administrative branch of the organization.

Lodotek - Independent Contractor (Co-Founder)

On-site IT/Software Consultation [2004 to 2006]

- Supervisor: N/A
- Role: On-site Consultant / Project Manager
- Scheduled and kept track of all the technicians in the Denver Metro Area.
- Configured and Managed SCM systems (Ant, CVS, FishEye, CVSTrack).
- Provided Support as subcontractor to CompUSA, Siemens, World Savings Banks.
- Contract based software development in Java.
- Provided On-Site support for software development groups.

Metropolitan State College of Denver - Network Technician Intern

Monitoring and Management of the Network [2005 to 2006]

- Supervisor: Randy Stormy
- Role: Network Technician
- Configured and setup Cisco hardware for wired and wireless networks.
- Monitored the network for problems using Solarwinds and CiscoWorks.
- Resolved network outages and other related problems.
- Worked with end users to provide support with network related issues.

Technical Skills

Development Environments	Programming Languages	Web Related	Software Applications
Linux/Unix	C#	XHTML	GIT
Windows	C++	XML	ANT
	Java	CSS	CVS
	J2EE	JavaScript	SVN
	Flex(ActionScript)	Flash	JUNIT
		Hex	Apache Tomcat
		WebServices(REST/SOAP)	Apache
			Varnish
			VMWare
