Ameya Bapat

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Experience

EMC Corporation.

Senior Software Engineer

4.1years. July 2012 – Current

1. I have 3 years of experience in enterprise content management where I worked on various web as well as desktop client apps of content repository.
2. I have been sole developer for product called syncplicity connector for documentum. It involves data synchronization between cloud and remote content repository.
   Technologies: Java, Spring MVC, REST Services, ExtJs, Quartz scheduler.
3. I have also worked on client side desktop application both on Mac and Windows.
   I have worked on Inter-op between thick and thin client.
   Technologies: MAC OS: Java and SwiXML, Windows: C# and XMAL, SOAP Services.
4. I voluntarily contribute to CPHM health care product driven by CTO team where I work on health care analytics dashboard. It is being accepted by Karnataka and Andhra government also, being applied in villages around Bangalore.
   Technologies: javascript d3 graph apis, ajax, mysql.
5. Developed debugging and troubleshooting skills while fixing many customer critical bugs, performance issues and vulnerabilities.
6. Adhere to good programming practices such as testability, maintainability, readability, code review etc.

Achievements:

1. **Patent1 (Pending): Contextual and adaptive content management, Personas**
2. Won awards for Value creation, Innovation.

Technical Skills

Languages	Core Java, J2EE, C#, c, c++
Computer Science	Data Structures, Algorithms, Design Patterns, MultiThreading
Web Based Languages/Technologies	Javascript, JSP, PHP, ASP, XML, Spring MVC, Web Services, ExtJS.

Educational Qualifications

Examination	College/School	Year	Aggregate/CGPA
MTech – Information Security	**National Institute of Technology Karnataka**	**2012**	CGPA - 8.04
BE-Computer Engineering	Vidyavardhini's College of Engineering & Technology. University of Mumbai	2009	65.80 %
HSC	Vartak College, Vasai West Maharashtra Board of Secondary & Higher Secondary Education	2005	80.17 %
SSC	K G Highschool, Agashi, Virar.	2003	83.20 %

Internship

Summer Internship-2011 - "Key Agreement Protocol".
Guide – Dr. Bimal K Roy.
Institute - Applied Statistic Unit, Indian Statistical Institute (ISI), Kolkata, India.
Details – Design of an algorithm for multi-party key agreement protocol to achieve secure group communication.

Publication

"Restraining Add-on's Behavior In Private Browsing", SECURIT '12, August 17 - 19 2012, Kollam, India. Copyright 2012 ACM 978-1-4503-1822-8/12/08

https://dl.acm.org/citation.cfm?id=2490455

Project Profile

Type	Title	Description
Major Project (Masters in Technology)	Restraining Add-on's behavior in private browsing	XPCOM framework provides a variety of services for creating Firefox addons which allow them to track user specific browsing parameters & preserve their state on secondary storage irrespective of mode of browsing. This is clear violation of the goals of private browsing. <u>Attack</u> – Created addon to exploit above vulnerability. <u>Solution</u> - Created Firefox patch so that browser will monitor addon's behaviour in private mode. If any addon exploits it then will be notified to user & addons will be blocked as per user preference.
Course Project (M.Tech)	Phishtank (Role- To make an exact replica several bank webpages and ensure that it rendered correctly in all browsers)	A Phishing application that steals usernames and passwords from online banking Sites. Held workshop to inform vulnerabilities in online banking sites & ways to fix them. Goal - To make Banks & Public Aware.
Mini Project (M.Tech)	A Multiple Secret Sharing Scheme based on Matrix Projection	Implementation of Multiple Secret Sharing based on Matrix Projection as proposed in IEEE Paper.
Mini Project (M.Tech)	Detection of ARP Cache Poisoning	Implementation of Active Detection Technique for Detecting ARP Cache Poisoning as Proposed in IEEE Paper.
Mini Project (M.Tech)	EXPedite: A System for Encoded XML Processing	Efficient processing of streaming XML data by encoding it as per referred IEEE paper.
Major project (Bachelor in Engineering)	Application to Deploy Dynamically Configured Web Pages. (at **Larsen & Toubro InfoTech Ltd**.)	Designed a framework to deploy dynamically configured web pages to support Role Based Access System.

Strengths: Honest, innovative and hardworking, Team player.

Areas of Interest: Music (play instruments, singing), Table Tennis, Travelling [Historical Places], Reading [Biographies, Astronomy Literature].