

ABY RAO

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SUMMARY

B.S. in Computer Science, M.S. in Information Science and various IT certifications including CISSP, CISA, Security+, ITIL, ISO/IEC 20000 etc. Ten plus years of work experience in IT industry.

WORK EXPERIENCE

November 2011 - Current, Senior Associate, KPMG

- Project Lead on a \$2 million project for a major financial company covering global regions such as North America, Europe, Africa and Middle East (EMEA) and Asia-Pacific.
- Lead third-party vendor located overseas and leads various aspects of offshore
- Complete Hands-on experience with deploying tools and solution
- Experience working with Security Operations and Disaster Recovery team

February 2009-October 2011, **IT Analyst**, Duke University, Durham, NC

- Performed security assessments including penetration testing, wireless security testing, and social engineering related to web applications
- Implemented countermeasures related to Web Applications, Database controls and OS Controls
- Experience in Shibboleth Single Sign-on system
- Responsible for Access Control to the Content Management System and other resources for 200+ staff members
- Assessed, communicated, and mitigated risks associated with HIPAA resources

July 2006- February 2009, **Web Application Developer**, Drexel University, Philadelphia, PA

- Translated business requirements into innovative, dynamic, secure Rich Internet Applications serving 2500 business school undergraduate students annually
- Documented use cases and test plans for QA testing and User Acceptance testing
- Normalized database tables and performed extensive query optimization
- Implemented various MySQL, Linux and Apache Web Server controls
- Implemented several Application controls to mitigate risk associate with student data
- Conducted Web Applications Security Testing based on Top 10 OWASP Security risks

February 2006 – June 2006, **Senior Designer & Project Manager**, Electronic Ink, Philadelphia, PA

- Responsible for various client portfolios in the Healthcare, Financial, Government and Retail sectors
- Managerial responsibilities included billing/invoicing, creating project plans and generating project reports

- Key design responsibilities included Concept Modeling, Information Architecture, Web Content Analysis and Design & Usability assessments

April 2005 – February 2006, **Staff Manager & Lead Designer**, J P Morgan Chase (client), Wilmington, DE

- Managed a team of six Ajilon consultants at JP Morgan Chase
- Actively involved in complete Software Development Life Cycle of four online financial projects, with annual revenues from 1 million to 2.5 billion dollars
- Documented Business Requirement Reports, Gap Analysis, and Functional Specification Reports

January 2004 – March 2005, **User Experience Engineer**, SilkRoad Technology, Winston-Salem, NC

- Served as the primary point of contact between software development team and business end users.
- Analyzed usability analysis data, created reports, and delivered findings to software development team
- Designed user interface of seven collaborative software products developed or acquired by SilkRoad Technology

EDUCATION

Drexel University, Philadelphia, PA, 2009

Master of Science in Television Management

University of Illinois at Urbana Champaign, Champaign, IL, 2004

Master of Science in Information Science

Manipal Institute of Technology, Manipal, India, 2002

Bachelor of Engineering, Computer Science and Engineering

CERTIFICATIONS & TRAININGS

- CISSP, (ISC)², USA, April 2011
- CISA, ISACA, USA, August 2011
- Security+ Certified Professional, CompTIA, USA, 2010
- Project+ Certified Professional, CompTIA, USA, 2010
- ITIL Foundation v3, EXIN, Netherlands, 2010
- ISO/IEC 20000, EXIN, Netherlands, 2010
- HIPAA Training, HIPAA Academy, 2010

AFFILIATIONS

- Bronze Level Member, Information Systems Audit and Control Association (ISACA), Raleigh, USA
- Member, Information Systems Security Association (ISSA), Raleigh Chapter, USA
- Fellow, National Board of Information Security Examiners, Operational Security Testing Panel
- Member, Cloud Security Alliance, USA

COMPUTER SKILLS

- *Identity Access Management*: Quest Total Privilege Access Management
- *Databases*: Sybase SQL Server, Oracle PL/SQL, Microsoft Access, MySQL
- *Vulnerability Assessment Tools*: BackTrack 4, Metasploit, Wireshark, Tcpdump
- *Web Programming*: Java, Javascript, JSP, XHTML, PHP, MySQL
- *Content Management System*: Documentum, Eprise, Drupal
- *Project Management*: Microsoft Project
- *QA Testing*: Quality Center Test Director

OTHER ACTIVITIES

- Conference Track Chair, InfoSecCon 2011, Raleigh, 2011
- Associate Editor, PenTest Magazine, Poland, 2011
- Reviewer, Enterprise IT Security Magazine, Poland, 2011
- Reviewer, Hakin9 Magazine, Poland, 2011
- Presented at various national and international conferences