Asim Khan

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Available: May – December 2017

EDUCATION

Northeastern University, Boston, MA
College of Computer and Information Sciences — Sept. 2016 – Present
Candidate for a Master of Science in Computer Science — Expected graduation: Dec. 2018
Related Courses: Algorithms, Information Retrieval, Web Development, Programming Design Paradigms

Dr. APJ Abdul Kalam Technical University, Lucknow, India — June 2012
Bachelor of Technology in Computer Science and Engineering
Related Courses: Data Structures, Algorithms, Object Oriented Programming, Web Technology, Operating Systems Software Engineering, Database Management Systems, Computer Graphics, Theory of Automata
Activities: General Secretary of Computer Science Club "E-Xtreme" and team leader of the College Dance Team.

TECHNICAL KNOWLEDGE

Languages:	Java, HTML 5, CSS, JavaScript, Scheme, SQL, NoSQL
Web Technologies:	Servlets, JSP, JSF, Jquery, Ajax, Bootstrap, AngularJS, JAXB, MEAN Stack
Frameworks:	Spring 3.x (Core, JDBC, AOP, Integration), JAX-WS & RESTFUL Webservices, EJB 3.x, Mockito
Development Tools:	Eclipse, Oracle SQL Developer, Webstorm
Servers:	Apache Tomcat, WebSphere, Weblogic, NodeJS
Tools:	Maven, SVN, Git, HPQC-ALM, putty, WinSCP, SOAP UI, Jira
Databases:	Oracle 10g, IBM DB2 Express, MongoDB
Certifications:	**Oracle Certified Professional, Java EE 5 Web Component Developer** (2014)
	Oracle Certified Professional Java SE 6 Programmer (2013)

WORK EXPERIENCE

Citicorp Services India Pvt. Ltd., Pune, India — Feb. 2015 – Aug. 2016
Assistant Manager (Application Developer)

- Chiefly involved in the migration of legacy code to the new Spring and Maven based architecture which in turn resulted in the reduction of development efforts by 25% and deployment time by 30%.
- Worked in the design and development of a customised architecture for a new Spring based project which started from scratch.
- Designed and built more than 50 Web Services which were exposed to multiple applications within Citi.

Accenture Services India Pvt. Ltd., Pune, India — June. 2012 – Feb. 2015
Analyst Programmer

- Designed multiple re-usable User Interface components (widgets) using Jquery, CSS and HTML which were then exhaustively used throughout the project.
- Built a screenshot utility tool "Roboshot" using Swings API which helped in reducing testing efforts by 20%.
- Created Soap test bed using SOAP UI which reduced the time of testing critical web services by 15%.

ACADEMIC PROJECTS

NeuMusic Web Application
Northeastern University Project, Boston, MA — Feb. 2017 – Present

- Implemented a single page Music application using MEAN Stack with integrated music fingerprinting API to search for songs by simply recording them on the go, with an integrated MP3 player to listen to the searched songs.
- Integrated multiple Web APIs like ACRCloud, Gmail, Spotify, MusixMatch, Eventbrite to make the application more intuitive with multiple features like lyrics search, automated email notifications and social profiling.

Website Designer Application
Northeastern University Project, Boston, MA — Jan. 2017 – Mar. 2017

- Implemented a single page web application using MEAN Stack where the user can design his own website by creating pages and adding to them different types of widgets, embed HTML, videos and images.

Web Crawler
Northeastern University Project, Boston, MA — Sept. 2016 – Nov. 2016

- Built a web crawler using JSoup API which could perform both breadth-first and depth-first search on a given seed URL and performed Link Analysis and Page Ranking on the web pages retrieved.

Search Engine System
Northeastern University Project, Boston, MA — Nov. 2016 – Dec. 2016

- Implemented multiple retrieval models such as BM25, Cosine Similarity, and tf-idf and calculated effectiveness using Mean Average Precision, Mean Reciprocal Rank and Precision@k on the CACM test collections.
- Improved accuracy and effectiveness of models by Query Expansion technique using Pseudo Relevance Feedback.