Manthan Shah

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EXPERIENCE

Cerner Corporation, Kansas City, MO   **Jul 2015 - Present**
Software Engineer
- Develop Electronic Data Interchange (EDI) web services using Java, Spring, Hibernate, Jersey, IBM Business Process Execution Language (BPEL).
- Designed and developed global address validation and verification RESTful service using JAX-RS and Jersey 2.0.
- Reduced the average response time by 9% in medical claims processing service by changing synchronous transaction tracking flows to asynchronous flows.
- Automated the process of generating and emailing the monthly usage reports of services consumed by clients using Spring Boot and Oracle stored procedures.
- Implemented Message Driven Bean (MDB) using EJB 3.0 to consume asynchronous messages from the queue and process them.
- Identified and fixed security vulnerabilities like XSS, SQL injections in web services using ESAPI libraries and HP Fortify tool.
- Integrated Swagger framework with couple of web services to programmatically generate the api documentation.

Marvell Technology Group, Chandler, AZ   **Mar 2015 - May 2015**
Software Engineering Intern
- Worked on Seneca, a software which helps to understand silicon characteristics across various parameters in the form of charts.
- Implemented a service in Java to translate encoded software settings into frequencies that can be used for characterization process.
- Improved the average performance by 4% by implementing a reaping thread which keeps the cache updated.
- Created Windows Presentation Foundation (WPF) user interface for viewing the list of parts used in silicon analysis.

Arizona State University, Tempe, AZ   **Sep 2014 - Dec 2014**
Project Assistant
- Assisted Prof. Ashish Amresh in an educational project by developing an interactive android game.
- Game consists of multiple levels, each involving a task, educating about photo-voltaic systems to store solar energy.

Citrix Systems, Inc., Fort Lauderdale, FL   **Jun 2014 - Aug 2014**
Software Engineering Intern
- Worked on ShareFile – Windows version, a cloud based software to store, synchronize, share and manage files.
- Automated the process of BVT for synchronization of files/folders between local hard disk and cloud storage using C#.
- Reduced the time for testing by 15% by configuring it to run on multiple versions of Windows OS simultaneously using VM's.

EDUCATION

Arizona State University, Tempe, Arizona - Master of Computer Science   **Aug 2013 - May 2015**

University of Mumbai, Mumbai, India - Bachelor of Engineering in Computer Engineering **Aug 2009 - May 2013**

COURSE PROJECTS

Secure Online Banking System: (Java, JSP, JavaScript, SQL, HTML, CSS) Collaborated to design and develop online banking system using Spring MVC and Hibernate. Also implemented One-time password (OTP) and Captcha as part of security features.

Information Retrieval Engine: (Java) Implemented an efficient information retrieval system based on Lucene library. It provides most similar results to the user's query by using various algorithms such as page rank, tf-idf etc.

INDIVIDUAL PROJECTS - [GitHub]

Packman: (Java, SQL) Developed an android application and a RESTFul service using Spring framework which allows the user to ship packages by clicking pictures of the package and providing receiver details. Users can also track and manage those packages.

TypeTube: (JavaScript, HTML, CSS) Developed a website to watch YouTube videos on the go with an option to play it on a loop. It captures the search text while it is getting typed and uses it to find the most similar and watched video.

TECHNICAL SKILLS

- Java, C#, SQL, Python, JavaScript, JSP, HTML, PHP, CSS.
- Eclipse, IntelliJ IDEA, IBM WebSphere Integration Designer (IID), Android Studio, Visual Studio, Oracle SQL Developer.