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EMPLOYMENT

Systems Engineer	Infosys Limited, India	Aug 2012 - Jul 2014
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Nu Horizons-Arrow conversion project

- Develop/Modify/Review COBOL back-end programs for new trading partners for multiple B2B transactions.
- Create webMethods flow maps from scratch for different business transactions(1850/O850/O810).
- Detected a bug in production that might cause a wrong data to be sent to a Trading partner.

EDUCATION

Huntsville, TX	Sam Houston State University	Jan 2015 – Aug 2016
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- Master's in Computer Science. Current GPA: 3.58 on 4.0 scale.
- Graduate Coursework: Software Engineering; Malware Analysis; Algorithms; Database Forensics; Operating systems; Algorithm Design and Analysis; Language and Compiler Design; Database Security; Parallel Computing; Information Quality Practices; Database systems, Multimedia Forensics.

TECHNICAL EXPERIENCE

Projects

- **Enterprise web application using J2EE/Spring and Hibernate** (2016). Developed an enterprise web application using Spring 4.2.0 MVC framework as part of Udemy Java Spring certification. Also utilized Spring security for authentication and protecting application's URL from being publicly accessible and Hibernate ORM to access MySQL database. Also used Apache tiles for displaying JSP pages. Maven was used to build project for dependencies. Used Tomcat 8.0 as deployment server.
- **Mozilla Firefox Steganography Add-on** (2016). Firefox Add-on to process JPG image to hide user text message with an encryption key and upload to social media sites Facebook, Flickr, Google+. Extract hidden message back with same key by running add-on for the same image from social media sites. Node.js, HTML, JavaScript.
- **Word Spelling check and predictor** (2015). Java application to check with 1 million word dictionary to predict best matching words. Jaro-Winkler, Boyer-Moore, and Levenshtein edit distance algorithms are optimized to fetch results fast. Java, XAAMP server.

ADDITIONAL EXPERIENCE, TRAINING AND CERTIFICATIONS

- **Udemy Java Spring by John Purcell certification:** Udemy Spring framework course covered Spring MVC, Aspect Oriented programming, Spring security, Spring Web flow, Hibernate, Apache tiles. Certificate: <https://www.udemy.com/certificate/UC-WEMT3DED/>
- **Infosys New-hire Training (Aug 2012 – Feb 2013):** Training in Object Oriented Programming, Java, Database, Linux, Mainframe (COBOL, JCL). Secured a GPA of 4.22 out of 5-point scale.

LANGUAGES AND TECHNOLOGIES

- Java EE, JSP, Servlets, Hibernate ORM 4/JPA, JMS, JNDI, JSTL Tags, Spring 4 (IoC/MVC/AOP/Security/Web flow), COBOL, JCL, HTML, CSS, JavaScript, jQuery, Angular.js (beginner).
- Maven build tool, MySQL, RESTful, SOAP, XML, JSON, phpMyAdmin, XAAMP server, MySQL workbench, WebLogic server, Tomcat server, Apache tiles, Hibernate Validator API, webMethods Developer, Trading Networks console, Admin console.