

Data Integration Specialist Data Integration Specialist Grove, IL ! To obtain a Software Developer/Engineer opportunity at a cutting edge technology company. ! Highlighted Skills: Over 3 years experience in Design, Development, and Maintenance of software applications using Java/J2EE technologies, Python, C++, and Hadoop. Extensive experience in areas of Big Data including Apache Hadoop, HDFS, Map Reduce, Hbase, Hive, Pig, Cassandra. Ported RDMS databases to Hadoop using Sqoop. Experienced in deploying large applications onto web servers including Websphere and Tomcat. Developed User Interfaces using QT designer, Eclipse, and Xcode. Experienced with Subversion Control. Heavy experience in Unix Scripting. Experienced in generating JSON and XML files to gather data from for testing purposes. Designed User-Defined-Functions (UDFs) for Pig to perform manipulation and displaying of data on the Hadoop Filesystem. Implemented a test suite running Python scripts and the Django Web Framework. Experience in developing mobile applications for Android. Experience in gathering requirements for developing software to reach client goals. Involved in writing a heavy-detail Software Engineering Document covering the software life cycle of a product including its requirements, development, and testing.

- o Gathered requirements from the client (scope, performance, functional, non-functional)
- o Designed class diagrams using Design Patterns (Composite, Visitor)
- o Designed Entity-Relationship diagrams for the database to be used.
- o Designed the database retrieval portion of the system, including all the Java statements to execute the queries.

Technology Summary      Programming/Languages: Java, C; C++, Python, Objective-C, Smalltalk, SQL, UNIX Scripting.      Web Framework: Django      Data: Hadoop, Hive, Hbase, Pig, Sqoop, Cassandra, JDBC, JSON, XML      Programming Tools: Xcode, BlueJ, Eclipse, MySQL workbench

Work Experience Data Integration Specialist Insygnium - Meadows, IL February 2014 to Present Created scripts using the Unix shell to perform Map Reduce Jobs with Pig and Hive. Created Hive tables in order to perform HiveQL queries. Ported JDBC databases over to Hadoop using Sqoop. Performed manipulation of files on the Hadoop Distributed Filesystem (HDFS) Performed commands using the Unix shell to transfer important files from the HDFS to the development machine. Technologies: Linux, Hive, Pig, Hbase, Java. Student Developer Android -

Chicago, IL October 2013 to December 2013 2013) The purpose of this project was to implement a sophisticated calculator that calculates the additions and subtractions of decimal, binary, and ternary numbers. Wrote Java code defining all of the functionality of the app using the Android Development Toolkit (ADT) for Eclipse. Used the Android simulator from Eclipse and a phone to thoroughly test the function of the app. Technologies: Android Development Toolkit for Eclipse, Java, C++. Python Developer Intern UChicago Impact - Chicago, IL May 2013 to September 2013 Developed a test suite using python to write modules for testing a highly scalable web driven software project known as five essentials. Implemented QuerySets using Django, a Python Web Framework, to generate JSON files from which the tests retrieved information from. Submitted recurrent updates of my code to Mercurial for peer review. Technologies: Python, Django, Eclipse, Mercurial, MySQL. Java Developer Intern VajraSoft Inc - Dublin, CA December 2012 to May 2013 Organized and assembled an existing company product, written in Java, to run on the SAP Cloud platform. Worked with the Tomcat 7 and SAP. Ported a MySQL schema to MaxDB, a database system on the cloud. Technologies: SAP, Java, Eclipse, TortoiseSVN, MySQL, Sybase. Software Developer Intern American RFID Solutions May 2012 to July 2012 Used GlassFish application server to set up a domain to run java applications. Integrated the LLRP (Low Level Reader Protocol) API's to a java application. LLRP is a toolkit to read RFID chips (Radio Frequency Identifier). Technologies: Java, Eclipse, Groovy. Major Projects in UIC (Starting from the Most Recent) Automated Grader NLP Project 2012 to 2012 2012) The purpose of this project was to implement an automated grader in Java which assigned scores to a set of essays that were read from a directory. A workflow of the how the project was to be developed was drawn in class diagrams using UML. We implemented a search throughout every word in each essay and used the rules of Natural Language Processing (NLP) to determine probabilities of the next word to determine the grammar. Technologies: Java, Eclipse, Stanford Parser. Student Software Engineer VManage 2010 to 2010 2010) Website: <https://sites.google.com/site/cs442inventory/code> Implemented a pharmacy inventory system called VManage using Java and MySQL with a team of 3 other classmates. This system was to be developed professionally as if it was a deliverable to a

large client. Class Diagrams were designed in UML to describe the functionality and design patterns of the software. The system addressed and adhered to the Functional and Nonfunctional Requirements given by the client. Many unit test cases were written to assess the validity of the system. Verification and Validation were checked. Written classes and tables in UML to represent different medicines and their attributes. SQL statements were written in java to query for particular tables and their relations. Technologies: MySQL, Java, Eclipse, UML. Education BS University of Illinois at Chicago - Chicago, IL 2009 to 2013 Additional Information Operating Systems: Windows 8/7/Vista/Server 2008, Linux, Mac OS X !

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