Sr. Python Web Developer Sr. Python Web Developer Sr. Python Web Developer - Jefferson Bank New York, NY? Around 9+ years of experience in IT technologies, Experience in analysis, design, implementation and testing of scalable, high available, high performance, Strong leadership skills. ? Creative Web Developer/Web Designer/Graphic Designer with over 6+ years of professional experience? Hands on experience in developing business processes and system solutions utilizing prototype development, system development, and deployment. ? 5+ Years of experience in Analysis, Design, Development, Testing, Customization, Bug fixes, Enhancement, Support and Implementation of various web, stand-alone, client-server enterprise applications using Python, Django in various domains. ? Proficient in building Web User Interface (UI) using HTML/HTML, DHTML, XHTML, AngularJS, CSS/CSS3 and JavaScript, Node.js, Backbone.js, React, Node.js, D3, ¡Query that follows W3C Web Standards and are browser compatible. ? Experience with full software development life-cycle, object oriented programming, database design and agile methodologies. ? Experience in developing web-based applications using Python 2.7/2.6, Django 1.4/1.3. ? Extensive experience in system analysis, design, development and implementation of web based and client/server application using HTML, Angular JS, Bootstrap, underscore JS, Node JS, CSS, JavaScript, AJAX, JSP, JDBC, XML, XSLT, Python, Django. ? Good experience in developing web applications implementing MVT/MVC architecture using Django, Flask, Webapp2 and spring web application frameworks. ? Good Experience with Django, a high-level Python Web framework. ? Experienced in MVC frameworks like Django, Angular JS, JavaScript, jQuery and Node.js. ? Experienced in web applications development using Diango/ Python, Flask/ Python.AndNode.js, Angular.js, DOJO, jQuery while using HTML/CSS/JS for server-side rendered applications. ? Good Experience in Linux Bash scripting and following PEP Guidelines in Python. ? Developed consumer based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair based programming. ? Using Django evolution and manual SQL modifications, could modify Django models while retaining all data, while site was in production mode. ? Experienced in monitoring, developing and transforming data using SQL Server Integration Service (SSIS) and SQL Server Analysis Service (SSAS). ? Experienced with databases using

ORMs/DOMs for integrating with MySQL, Postgres, Neo4J, MongoDB and Cassandra SQLite, Also, experienced with writing custom queries through database connectors. ? Expertise in establishing database connections for Java and Python by configuring packages like JDBC, MySQL- Python. ? Successfully migrated the Django database from SQLite to MySQL to Postgres SQL with complete data integrity. ? Experience with JavaEE, including JSPs, Servlets, Web Services (SOAP and REST), and Tomcat. ? Experience with software development tools such as Eclipse, Netbeans, Subversion, Git, Ant and Maven. ? Expertise on Peer Code Review, Unit testing and Integration testing. ? Strong TDD (test driven development) and continuous integration experience using JUnit ? Extensive experience in Version control systems using TFS, CVS and SVN. Possess excellent communication skills along with dedication, and commitment for work? Quick learner, possess problem solving skills, and strong team player Authorized to work in the US for any employer Work Experience Sr. Python Web Developer Jefferson Bank - San Antonio, TX October 2015 to Present Jefferson Bank is a family-owned bank serving communities in San Antonio and surrounding areas in the Texas Hill Country. Through the years, Jefferson Bank has created an elite team of highly skilled, family oriented and civic-minded individuals who contribute to the Bank continuing success. RESPONSIBILITIES: ? Wrote Java Programs for one-to-one comparison of data obtained from different sources? Extensive coding knowledge in developing UI for enterprise web applications using HTML, Java Script , XML, AJAX adhering to enterprise UI Standards ? Developed crytpocurrency exchange system in Python using Google App Engine and Amazon AWS ? Developed Perl programs to send email alerts and error logs in the event of process failures. ? Involved in the design and development phases of Rational Unified Process (RUP) ? Delivered projects in Smart Analytics portfolio using Big Data technologies like Hadoop, Sqoop, Hive, Pentaho. ? Involved researching optimum solutions for a given Big Data problem using Hadoop, Apache Spark and other related technologies. ? Architected the "Big Data as Service" project and implemented a system architecture using Amazon API and Puppet scripts to auto deploy Hadoop clusters through website. ? Developed a project in Python using Client and Worker methodologies. ? Worked very closely with designer, tightly integrating Flash into the CMS with the use of Flashvars

stored in the Django models. Also created XML with Django to be used by the Flash. ? Created PHP/MySQL back-end for data entry from Flash. I had to assist the Flash developer send the correct data via query strings. ? Developed monitoring and notification tools using Python. ? Developed entire frontend and backend modules using Python on Django Web Framework. Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Created Business Logic using Python to create Planning and Tracking functions. ? Used Django for framework for accessing various Clinical Trial Data from various sources. ? Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records. ? Involved in MVW frameworks like Django, Angular.js, Java Script and Node.js. ? Designed and managed API system deployment using fast http server and Amazon AWS architecture. Implemented navigation rules for the application and page outcomes, written controllers using annotations. ? Used Python based GUI components for the front-end functionality such as selection criteria. ? Created test harness to enable comprehensive testing utilizing Python. ? Worked with JSON based REST Web services. ? Used jQuery and Ajax calls for transmitting JSON data objects between frontend and controllers. ? Used GitHub for version control. ? Worked on MongoDB database concepts such as locking, transactions, indexes, replication, schema design. Implemented Python scripts to import raw data from web into PostgreSQL database. ? Work directly with developers to design and code Designate using python? Wrote python scripts to parse XML documents and load the data in database. ? Used Struts action forms and developed Action Classes, which act as the navigation controller in Struts. ? Developed the application under J2EE Architecture using Spring, Struts, Hibernate, Servlets, Weblogic. ? Design (architectural), develop, and deployment of front-end and presentation layer logic of sites using JSP, HTML/DHTML, CSS, and JavaScript. ? Implemented the template-based categorization of presentation content using Struts-Tiles. MVC implementation using Struts framework? Scalable, database-driven web application development using a variety of frameworks: ASP.NET on C#, Flask on Python, and PHP. ? Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content. ? Rewrite existing Python/Django modules to deliver certain format of data. ? Built main

application in Python, Django leveraging technologies such as Tastypie, Backbone.js, and Celery? Analysis the logs data and filter required columns by logstash configuration and send it to elasticsearch. ? Design the Elasticsearch configuration files based on number of hosts available, naming the cluster and node accordingly. ? Customize the display in the necessary UI framework, using PHP/JSP, jQuery, JavaScript, Angular JS, elasticsearch Vendor. ? Implementation and maintenance of logging infrastructure based on Application Insights, NLog, Elasticsearch and ? Set up ElasticSearch, Logstash and Kibana based logging infrastructure for entire Kibana. application stack. ? Develop front-end web applications using AngularJS framework; construct HTML5 video widgets? Leading Frameworks Team like Angular.js, backbone.js, bootstrap.js & JMVC, D3.js and Projects UI Designing Team. ? Providing a responsive, AJAX-driven design using JavaScript libraries such as ¡Query, AngularJS and Bootstrap.js - Using Subversion for version control. ? Employed Hibernate to create the persistence layer and to make the transactions to the backend? Used AJAX for highly intensive user operations? Developed Web Services using SOAP ? Worked on parsing the XML files using DOM/SAX parsers ? Involved in Unit Testing of Various Modules based on the Test Cases ? Setting the development environment on eclipse ? Developed common reusable component libraries (CRUD Scaffolding) to be reused in different projects throughout the company's IT team using GWT, Spring data, JPA. ? Experience with SQL and basic CRUD operations ? Developed JSP pages for presentation layer (UI) using Struts with client side validations using Struts Validator framework/ JavaScript. ? Comprehensive experience in designing and developing applications using UML with Rational Rose. ? Developed the Servlets for processing the data on the server ? Involved in the deployment of Web-Service End-Points using Apache CXF. ? Created Real-time Reporting systems and dashboards using Adobe Flex, xml, MySQL and Perl ? Used WebLogic for design, development, and deployment of applications. ? Mentoring of junior members for Agile (Scrum) process & Junit testing ? Designed and modified User Interfaces using JSP, JavaScript, CSS and jQuery ? Made SDLC recommendations and implemented Flex, xml development best practices. ? Accessed and manipulated the Oracle 10g database environment by writing SQL queries in the oracle sql developer for testing purpose. ?

Prepare Java/J2EE development structure for Eclipse, maven, Jetty? Involved in coding for JUnit Environment: HTML, CSS, PYTHON, DJANGO, FLASK, NOSQL, SQLALCHEMY, BIG DATA, HADOOP, ELASTICSEARCH, SQOOP, FLUME, PIG, HBASE, JSON, MONGODB, POSTGRESQL, REST. API, BASH, SHELL SCRIPT, ANGULARJS, BOOTSTRAP, RESPONSIVE DESIGN, GRUNT, BOWER, NODE.JS, NPM, SERVLET, UNIX, LINUX, ORACLE, JDBC, ECLIPSE, TOMCAT, CRUD, JSP, JUNIT, JQUERY, JIRA, MAVEN, ITEXT, WEBLOGIC, SVN, UML, AGILE, SCRUM Sr. Python Web Developer Infinity Insurance - New York, NY August 2013 to September 2015 Project: Infinity Auto installment payment app and getting agent quote Description: Infinity Auto mobile app is for making the mobile online payment for the user through the mobile app. It also allows the user for getting agent quote. And, the user can know the policy information, ID cards, coverage and discounts information RESPONSIBILITIES ? Involved in preparing the mockups using HTML, DHTML, XHTML, CSS and JavaScript. ? Involved in making the components to XHTML compliance. ? Responsibilities include analysis of these various applications, designing of the enterprise applications, co-ordination with client and offshore team, meetings with business users, functional and technical guide to the offshore team, project management? Built website and database system for in house, programmed in Python through Django streamline framework? Build the Optiv Managed Security Services service delivery portal from ground up using Angular, NodeJS, NginX, ? Configure/optimize web server performance including Apache, Nginx, MySQL, Memcache, Vanish, Redis and Magento optimization. ? Deployed the project on Nginx web Server, using Virtualenv for creating virtual environment and uwsgi for dynamic calling python script. Implemented MVC architecture by developing struts framework. ? Built main application in Python. Django leveraging technologies such as Tastypie, Backbone.js, and Celery ? Developed a prototype of a MASHUP where back end is JAX-RS (Jersey) REST webservice and front end is UI developed using Bootstrap.js, Angular.js. ? Developed application as Enterprise JavaScript using -AngularJs, NodeJs, Websockets, Jasmine ? Worked on the modernization of a legacy and outsourced UI. Technologies used were Backbone.js, Angular.js, Ember.js, Can.js, and Jquery. ? Designed and modified User Interfaces using JSP, DOM, Backbone, Ember.js, Angular.js

Developed Drewgle for Big Data - a java based search engine for searching metadata of various Hadoop objects? Built a scalable distributed data solution using Hadoop? Played a key role in installation and configuration of the various Hadoop ecosystem tools such as Sgoop, Flume, Pig and Hbase. ? Expanded proficiencies in Django, Mezzanine, HTML5, Python, and Javascript. ? Developing a set of dashboards in Splunk 6 by leveraging Underscore, D3, Jguery/UI, Backbone, and Django. ? Using django\_evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode. ? Worked very closely with designer, tightly integrating Flash into the CMS with the use of Flashvars stored in the Django models. Also created XML with Django to be used by the Flash. ? Struts Validator framework is used to do client side validation. ? Developed reporting application using node.js, javascript, ¡Query/datatables, MongoDB, and ElasticSearch, ? Maintained and supported N-tier Restful Webservice used for flight searches. This webservice was built using NoSql Couchbase, ElasticSearch, ? Designed back-end system Logging Framework using Play Framework / Apache Kafka /ElasticSearch. ? Used Java Servlets, JSPs, AJAX, XML, HTML and CSS for developing the Web component application. ? Implemented the spring dependency injection of the Database helper instance to the action objects. ? Used AJAX, DOJO, Java script, Spring and GWT to create interactive user interface. ? Part of team implementing REST API's in Python, Flask and SQLAlchemy for management of data center resources on which OpenStack cluster is deployed. ? Python and PHP web application development using the SQLAlchemy. ? Experience in dimensionally modeling relational data sources (DMR) using Cognos 8 Framework ? Design (architectural), develop, and deployment of front-end and presentation layer logic of sites using JSP, HTML/DHTML, CSS, and JavaScript. ? Deployment automation and Job Orchestration through Bash Scripts, Fabric/ Python, Capistrano/Ruby, Puppet, Ansible? Wrote Action classes, Business Objects and Service classes. ? Created Real-time Reporting systems and dashboards using Adobe Flex, MySQL and Perl? Involved in developing custom taglibs, JSP, Servlets, EJB's, Portlets and DB2 - stored procedures ? Used Apache to build projects, which assisted in testing, and produce reports on projects. ? Wrote JMS classes to communicate with MQ series deployed at Credit Card Issuing Used SQL statements and procedures to fetch the data from the database. ? Deployed and configured portlets in WebSphere Portal Server? Installed, configured, and maintained Websphere server and DB2. ? Created detail design documents which has the UML Design diagrams, table information, object model etc which are required for the developer? Worked with various version control tools like CVS, Clear Case and Subversion (SVN). ? Core developer of the application infrastructure using GWT as the front-end? Used Object/Relational mapping Hibernate framework as the persistence layer for interacting with DB2. ? Developed the Web Based Rich Internet Application (RIA) using Adobe Flex. ? Used Subversion for version control and created automated build scripts. ? Deployed the application on to Websphere application server. ? Implemented Web services by applying SOA concepts in conjunction with SOAP. ? Developed EJB components (Session Beans, Entity beans) using EJB design patterns to business and data process. ? Use of ? Involved in user interface multiple tools, including Apache POI, iText and JFreeChart development using JSTL. ? Worked on Hibernate object/relational mapping according to database schema. ? Prepare Java/J2EE development structure for Maven. ? JSP interfaces were developed. Custom tags were used. ? Responsible for modifying existing DB2 stored procedures and writing SQL queries as per requirement. ? Involved in coding for JUnit Test cases. ? Developed the Servlets for processing the data on the server? Used Dojo for the client side development and validations ? Experience with SQL and basic CRUD operations ? Used Hibernate annotations to avoid writing a mapping file. ? Involved in the deployment of Web-Service End-Points using Apache CXF. Environment: HTML, CSS, PYTHON, DJANGO, FLASK, NOSQL, SQLALCHEMY, BIG DATA, HADOOP, ELASTICSEARCH, SQOOP, FLUME, PIG, HBASE, JSON, MONGODB, POSTGRESQL, REST, API, BASH, LINUX, JSON, ANGULARJS, BOOTSTRAP, RESPONSIVE DESIGN, GRUNT, BOWER, NODE.JS, NPM.NOSQL, SCALA, CLOUD, AWS, OPEN STACK, JAVA/J2EE, STRUT, JQUERY, AJAX, EXTJS, JAVASCRIPT, ORACLE, CRUDE, PL/SQL JDBC, REST, ECLIPSE, WEBLOGIC, CLEARCASE, JUNIT, AGILE UML, JSPS, JSTL, SERVELTS, MAVEN, ILOG, WEB2.0, SOA. Python UI Developer AT&T - Dallas, TX June 2011 to July 2013 RESPONSIBILITIES: ? Designed Graphical User Interface (GUI) for various WebPages using

AJAX, HTML, CSS, JSF, JQuery and JavaScript. ? MVC architecture is implemented by struts framework. ? Configured the struts-config.xml. ? Created Python and Bash tools to increase efficiency of call center application system and operations data conversion scripts, AMQP/RabbitMQ, REST, JSON and CRUD scripts for API Integration. ? Used Celery with RabbitMQ, MySQL, Django, and Flask to create a distributed worker framework. ? Application was based on service oriented architecture and used Python 2.7, Django1.5, JSF 2, Spring 2, Ajax, HTML, CSS for the frontend. ? Build the Silent Circle Management System (SCMC) in Django, Python, and Node.JS while integrating with infrastructure services. ? Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/iQuery and High Charts for data visualization of the served pages. ? Used existing Deal Model in Python to inherit and create object data structure for regulatory reporting. ? Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, CSS, JavaScript, Bootstrap, jQuery and RESTAPI calls ? Developed API using Hibernate to interact with the Oracle database ? Developed a controller Servlet that dispatches request to appropriate Action Classes. ? Implemented Different Design patterns like singleton, factory and J2EE design patterns like Business delegate, session fa ade, Value object and DAO design patterns. ? Used Spring Framework's IOC Dependency Injection to inject Service Object using Service Locator Design Pattern into Action Classes. ? Use of multiple tools, including Apache POI, iText and JFreeChart? Used Struts tag libraries in the JSP pages? Extensively worked on Spring Bean wiring, Spring DAO and Spring AOP modules. ? Used join point and advice Spring AOP modules for cross cutting concerns and IOC for dependency injection. ? Used Java Persistence API (JPA) and Hibernate for performing the Database Transactions. Using JPA for designing and creating the entities and establishing the relation between the entities in a persisted way for EJB. ? Involved in developing EJB'S for the business logic using Session facade pattern and deploying them in Apache tomcat. ? Wrote complex Database PL/SQL Statement and Did PL/SQL tuning for the performance of the Database. ? Involved in Developing Web Application with Full Software Development life Cycle (SDLC) from Design to Deployment using agile methodologies. ? Created

detail design documents which has the UML Design diagrams, table information, object model etc which are required for the developer. ? Worked extensively on the Oracle database. ? Used JMS API for asynchronous communication by putting the messages in the Message gueue. ? Consumed Web Services (WSDL, SOAP, UDDI) from third party for authorizing payments to/from customers. ? Architect and design for new Application as J2EE Web application and Oracle ADF. ? Generated PDF reports using iText. ? Developed web-based customer management software using JSF. ? Implemented SOA architecture with web services using SOAP, WSDL, UDDI and XML? Setting the development environment on eclipse. ? Carried out various mathematical operations for calculation purpose using python libraries. ? Fetched twitter feeds for certain important keyword using python-twitter library. ? Used Python Library Beautiful Soup for web scrapping to extract data for building graphs. ? Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications? Exposed Survey API to other applications in DOE using Apache Axis2. ? Created the domains, application servers and load balancers using Weblogic 9.0. ? Used Web 2.0 to scrape the event data from various web sites? Integrated with Apache Tomcat.? Expert in the enterprise implementation of Oracle Enterprise Content Management solutions. Specialized in UCM, Portal and SOA implementation? Page design and development using Oracle BPM.? Layout and design the overall architecture and migration approaches using Oracle ADF. ? Installed and configured a multi-server, clustered ILOG environment. Documented architecture and trained client administrators? Participated in the offshore development team meeting. ? Designed extensive additions to existing Java Web Application utilizing Service Oriented Architecture (SOA) techniques. ? Involved in implementing JQuery for providing interactive user interfaces. Environment: JAVA, JSP, SERVLET, EJB, HTML, CSS, SPRING, JAVASCRIPT, HIBERNATE, JQUERY, STRUTS, DESIGN PATTERNS, AGILE, HTML, JMS, XML, ECLIPSE, ITEXT, APACHE, ORACLE ECM, STRUTS, WEBSERVICE, SOAP, ILOG, WEB2.0, ORACLE BPM, JSF, WSDL, APACHE AXIS2, APACHE TOMCAT SERVER, SOA, PL/SQL, ORACLE10G, UML, WEBLOGIC, RATIONAL ROSE, JUNIT. Java UI Developer CONIFER Health Solutions - Frisco, TX April 2009 to May 2011 Conifer Health Solutions is a healthcare services company partnering with more than 800 clients to strengthen their financial and clinical performance. Conifer Health helps organizations transition from volume to value-based care, enhance the consumer and patient healthcare experience and RESPONSIBILITIES: ? Responsible for improve quality, access to healthcare and control costs. the design and development of the framework. The system is designed using J2EE technologies based on MVC architecture. The Views are programmed using struts, JSP pages, Model is a combination of EJB's and Java classes and Controllers are Servlets. ? Developed user interface using JSP JQuery, and AJAX to speed the application. ? Writing the java script and designing the JSP GUI frame work. ? Involved in designing the user interfaces using JSP ? Used JQuery to make the frontend components interact with the Javascript functions to add dynamism to the web pages at the client side. ? Extensively worked on spring's framework. ? Used JDBC for database connectivity with MySQL Server. ? Implement the presentation layer (GUI), based on open source framework, involving Servlets, JSP, JSTL, JSF, CSS, HTML, JavaScript and Beans. ? Designed Interactive GUIs using Java Applets and Swing. ? Developed Servlets and Worked extensively on Sql. ? Worked with MySQL for MySQL, SQLYog and Workbench. ? Implementation of Spring IOC container, Spring JDBC template, Spring Exception Strategy and AOP. ? XML messages are used to communicate between web services that are written using SOAP and WSDL. ? Created different database objects (Stored Procedures, Functions, and Triggers) for the backend MS SQL server. ? Involved in debugging the product using Eclipse and JIRA Bug Tracking. ? Used Ibatis to populate the data from the Database. ? Involved in creating unit testing of various layers using junit and created automated test scripts for integration testing using Selenium. ? Created war files & deployed on Tomcat using ANT deployment tool. ? Performed Java web application development using J2EE and Netbeans. ? Expertise in employing Water Fall Model and best practices for software development? Maintenance of data in different Oracle Databases and environments using TOAD. ? Built CVS and XML file loaders and splitters for financial data ? Used Clear Case for source Version Control. ? Working Closely with EMC Documentum to implement Engineering Design Storage Repository and Project Document Management. ? Tested with the Junit Test Cases for both Professional and Institutional Claims. ? Coordinated with QA team to ensure the quality of

application. Environment: PYTHON, DJANGO, JAVA, SERVLET, EJB, HTML, CSS, STRUTS. JMS, JDBC, HIBERNATE, SPRING, JAVA SCRIPT, AJAX, UML, ECLIPSE, WEBLOGIC, SOAP, SELENIUM, JBOSS, ANT, JQUERY, NETBEANS, JSP, EJB, WSDL, TOAD, WATER FALL MODEL, IBATIS, EMC DOCUMENTUM, WEB SERVICES, HTML, XML, MS SQL SERVER2005, MY SQL, CVS, JIRA, CLEARQUEST, SWING, CLEARCASE, JUNIT. Software Developer GE Transportation - Atlanta, GA May 2007 to March 2009 RESPONSIBILITIES: ? Wrote multithreaded programs to measure system performance ? Worked on GUI internationalization using JSP and Core Java ? Used Mercurial to keep track of versioning of the source code ? Worked on bug fixing Used JDBC APIs for database connectivity and data retrieval. Developing HardwareStoreMarketer.com site using ASP.Net. ? Strong Database programming using .NET, ADO with MS SQL Server 2000, MS Access and Oracle backend. Extensively used Stored Procedures, Functions and Triggers in Microsoft SQL Server. ? Worked on various client websites that used Struts 2 framework, Hibernate and OGNL ? Wrote test cases using JUnit testing framework and configured applications on Weblogic Server? Involved in debugging the product using Eclipse 3.6 and JIRA Bug Tracking. ? Involved in writing stored procedures, view, user-defined functions and triggers in SQL Server database for Reports module. ? Simulation was developed using C++. ? Implemented real-time patient prescription history verification system using C, Oracle PL/SQL ? Used Visual Source Safe for source control. ? Manipulated data and performed data preparation using TSO, ISPF and SPF system utilities. ? Developed and implemented Legacy system programs by using COBOL, DB2, CICS, JCL, JAVA? Wrote stored procedures in Oracle PL/SQL for data entry and retrieval. ? Extracted and modified data from VSAM files for PDF reports. ? Automate nightly batch processing and job alerts using REXX. ? Responsible for migrating Websphere server from v6.1 to v8.0 and migrating IBM CICS Transaction. ? J2EE to communicate legacy COBOL based mainframe implementations. ? Designed and developed Message Flows and Message Sets and other service component to expose Mainframe applications to enterprise J2EE applications. Environment: CORE JAVA, JSP, HTML, CSS, JUNIT, MERCURIAL, ECLIPSE, .NET, JIRA, JDBC, STRUTS, HIBERNATE, VISUAL SOURCE

SAFE, WEBLOGIC, ORACLE 11G, OGNL, C, C++, LINUX, MS SQL SERVER, COBOL, FILEAID, REXX, ISPF, MAINFRAME, CICS, IMS, VSAM, JCL Education SCJP University of Denver

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