Surendra

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PROFESSIONAL SUMMARY

* Around 7 years of strong experience as a Full Stack and Software Developer.
* Extensive experience in Python, Django framework in developing web-based applications.
* Worked with python libraries like NumPy, Pandas, SciPy.
* Strong Knowledge on Distributed Systems concepts (Remote Procedure Call, Transactions and Concurrency, Mutual Exclusion, Consistency, Distributed Hash Table, Snapshot Algorithms).
* Familiar with JSON based REST Web services and Amazon Web services.
* Familiar with Data Processing such as Data cleaning, Data parsing and Data analysis and Python modules such as requests, Beautiful Soup, urllib.
* Developed and deployed Microservices based applications using Spring Boot and Spring MVC.
* Experience in developing Web services using SOAP, SOAP UI and Restful.
* Good knowledge in RDBMS concepts and experience in Oracle, MS SQL Server and MySQL.
* Proficient in writing SQL queries, Tables, Views, functions, Stored Procedures, Triggers on MYSQL and PostgreSQL.
* Good Experience in Linux Bash scripting, Linux Commands and following PEP8 Guidelines in Python.
* Skilled in debugging/troubleshooting issues in complex applications.
* Strong Knowledge of Data Structures, Algorithms, and Design Patterns.
* Good Knowledge with Design Patterns - MVC, Singleton, Session, Observer, State, Visitor, façade, Data Access Objects and Factory Pattern.
* Experience with tools like with Docker Images/containers and Kubernetes.
* Good Experience with UNIX commands and Shell Scripting.
* Good experience in working with operating systems - Windows and LINUX.
* Experience in designing Use Cases and Class Diagrams using UML.
* Experience in Build and deployment automation through tools like Jenkins.
* Good knowledge on Amazon Web Services (AWS), Amazon Cloud Services like Elastic Compute Cloud (EC2).
* Highly motivated and detail-oriented programmer with ability to learn quickly and apply new tools and technology.
* Experience on Agile/Scrum methodologies and Extreme Programming (Test Driven development, Pair Programming, Code Reviews).
* Excellent Technical, Analytical, Problem Solving Skills, Communication Skills, a good team player and have an ability to effectively communicate with all levels of organization like technical, management and customers.

TECHNICAL SKILLS

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| Programming Languages | Python, Java, C, SQL |
| Frameworks/Libraries | Django, NumPy, Pandas, Requests, Psycopg2, SQLAlchemy, Hibernate, Spring, JPA, Struts |
| Databases | MySQL, PostgreSQL, MongoDB, Redis |
| Web Technologies | HTML, CSS, Bootstrap, JavaScript, Web Services (SOAP, RESTful) |
| Networking | Socket Programming, TCP/IP |
| Version Control | Git, GitHub, Bitbucket |
| IDE’s | Visual Studio Code, Spyder, PyCharm, Atom, Eclipse |
| Operating Systems | Windows 10, Linux (Ubuntu) |
| Tools | Git, Apache Ant, Apache MAVEN, Jenkins, Heroku |

EXPERIENCE

Express Scripts, St. Louis, MO Mar’2019 – Till Date

Full Stack Developer

Responsibilities:

* Involved in Design, Development, and Deployment, Testing, Implementation and documenting the requirements.
* Interacted with Business Analysts for more understanding of the requirements.
* Developed web services that make database calls for inserts, updates, and select queries.
* Excellent Experience and knowledge in using XML, Json, REST web Service for inter operable software applications.
* Provided enhancements and bug fixing support for existing Swing Java apps using concepts like generics, collections, enums, threads, etc.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Created a batch process framework using Java Multithreading to cascade multiple changes on multiple records.
* Worked on Integration of Microservices deployment patterns with the PAAS platform on top of AWS and Integrating with the Config server.
* Configured Hibernate Objects as Spring Beans in Spring Boot configuration.
* Implemented JavaScript for Client-side validations.
* Worked on Libraries like Pandas, NumPy, SciPy for data manipulation and analysis.
* Good in using Python features: Python Data Structures, Lambda Expressions, PEP8 standardization.
* Familiar with three main processes: Data Crawling, Data Parsing and Data Analysis.
* Experience in writing Complex Queries, Sub Queries, Stored Procedures and Triggers.
* Built database structure and wrote PostgreSQL queries.
* Experienced and used Test Driven Development in the development of the code.
* Python Unit test library was used for testing many programs on Python and other codes.
* Involved in setting up the application to run on AWS environment on multiple EC2 instances with ELB's using Jenkins.
* Proficient with container systems like Docker and container orchestration like AWS EC2 Container Service, Kubernetes, worked with Terraform.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Setup Docker on Linux and configure Jenkins to run under Docker host.
* Worked as part of an Agile/Scrum based development team and exposed to TDD approach in developing applications.

Environment: Python 3.6, Pandas, NumPy, PyCharm, Java, Git, Agile, Jenkins, PostgreSQL, Visual

Studio Code, Linux (Ubuntu), Java 8, JDBC, Servlets, Spring Boot, Hibernate, JavaScript, AngularJS,

Ajax, HTML5, XML, Restful Web Services, SOAP, WebSphere, SQL Server.

Lowes, Morrisville, NC Jan’2018 – Feb’2019

Software Developer

Responsibilities:

* Developed the Use Cases, Data Model, Class Diagrams, Sequence Diagrams for the Project and participated in the review of High-Level Document, System Plan and System testing.
* Worked in Agile development following scrum process, Sprint and daily stand-up meetings.
* Developed applications for backend modules using Python on Django Web Framework.
* Managed large datasets using Pandas data frames and SQL.
* Wrote Python scripts to parse XML documents and load the data in database.
* Dealt with Django frameworks for web applications.
* Plan, design, review and maintain python-based applications and solution.
* Hands on experience in using NumPy python API.
* Hands on experience in using MySQL.
* Worked on different Rest API’s and involved in handling the JSON responses of those API’s.
* Designed a web page effectively and responsive using HTML, CSS, JavaScript.
* Generated Python Django Forms to record data of online users.
* Wrote Python scripts to parse JSON documents and load the data in the database.
* Participated in Version controlling process using GitHub, Git.
* Developed front-end code with Ajax call in AngularJS and jQuery to retrieve data as JSON Object from controllers in back-end RESTful Server, then display the well-organized result in web pages by writing AngularJS controller, directives, services, and route providers.
* Developed HQL queries and wrote Data Access Objects (DAO) to handle HQL queries.
* Developed API using Node.js to allocate access to data in SQL, Mongo DB.
* Good understanding in databases such as Oracle and MySQL and experience during database design using PL/SQL in writing complex SQL queries.
* Deploy application updates to AWS and monitored the load balancing of different instances.
* Hands on experience in using AWS for application deployment and configuration.
* Automated AWS S3 data upload / download using python scripts.
* Hands-on experience in using message brokers such as ActiveMQ and RabbitMQ.
* Extensively worked with XML and JSON contents.
* Deployed services to Docker to ensure it runs on all platforms without any interruptions.
* For handling the traffic, we have implemented Kubernetes to manage containers.

Environment: Python, Django, SQL, SciPy, Java, JSP 2.0, HTML, CSS, JavaScript, JDBC 2.0, IBM Web

Sphere 5.0, XML, XSLT, XML Schema, Junit, Amazon AWS EC2, S3, PyUnit, Agile.

On Deck Capital, NY City, NY Jan’2017 – Dec’2017

Jr. Software Developer

Responsibilities:

* Involved in Requirement, design and development phases of the application.
* Worked with DBA for the creation of new tables and new fields in the database.
* Stored JSON objects into the database.
* Used various J2EE design patterns, like DTO, DAO, and Business Delegate, Service Locator, Session Facade, Singleton and Factory patterns.
* Implemented RESTful and WSDL and used web services to exchange product and customer order information.
* Designed and developed Java Web Services to allow external clients to interact with the system.
* Wrote Unit test cases using JUnit and Mockito.
* Implemented ORM framework called Hibernate by developing Hibernate mapping files for Object relational mapping while configuring Hibernate.
* Designed and maintained database schemas using normal forms to eliminate data redundancy.
* Worked on writing and as well as reading data from CVS and Excel file formats.
* Creating new tables, views. Creating and updating SQL Stored Procedures, Data Types, Triggers and Constraints.
* Optimizing Queries with creating Indexes to improve performance of SQL queries which helps to retrieve the data faster in more efficient way when compared to scanning whole database.
* Used GIT as version control software to manage the source code and to keep track of changes to files which is fast and light weight system.
* Used Agile Methodology and participated in Scrum meetings.

Environment:  Java, Java EE, Spring MVC, Spring Boot, Hibernate, JPA, REST Web services, IntelliJ IDE 3.1,

Docker, Git, Junit, Mockito, SQL, Agile.

INNOPARK India Pvt Ltd Jan’2015 – July’2016

Java Developer

Responsibilities:

* Developed the application using Struts following MVC architecture.
* Identified the participating pages and the navigation paths between pages.
* Developed action and form classes based on Struts framework to handle the pages.
* Used WebLogic Workshop page flow technology.
* Created several JSP's and populated them with data from databases using JDBC.
* Designed and developed EJBs to handle business logic and store persistent data.
* Developed Web Services to retrieve data from legacy systems.
* Involved in coding using Java Servlets, created web pages using JSP's for generating pages dynamically.
* Involved in developing forms using HTML and performing client-side validations using JavaScript.
* Developed server-side functionality for Admin Interface features (adding a User, Modifying the User Details, Assigning Roles, Modifying Roles etc)
* Used J2EE Singleton design pattern and EJB Session Beans.
* Planned and implemented various SQL, Stored Procedure, and triggers.
* Used JDBC to access Oracle database and implemented of connection pooling.
* Created test plans and JUnit test cases and test suite for testing the application.

Environment: Java, Hibernate, Spring Framework, Web services, Spring 3, Eclipse 3.5, SQL Developer, Oracle 10g, JMS, SQL, PL-SQL, Maven, Jenkins.

Fluent Services, Pune, India Feb’2013 – Dec’2014

Jr. Java Developer

Responsibilities:

* Participated in business requirement analysis.
* Developed both front end and back end of the application using Java.
* Stored JSON objects into the database.
* Implemented ORM framework called Hibernate by developing Hibernate mapping files for Object relational mapping while configuring Hibernate.
* Used various J2EE design patterns, like DTO, DAO, and Business Delegate, Service Locator, Session Facade, Singleton and Factory patterns.
* Implemented RESTful, WSDL and used web services to exchange product and customer order information.
* Designed and developed Java Web Services to allow external clients to interact with the system.
* Implemented JavaScript for Client-side validations.
* Wrote Unit test cases using JUnit and Mockito.

Environment: Java, HTML, CSS, JavaScript, EJB, JDBC, JSP 2.0, XML, XSLT, XML Schema, JUnit, Ant, Maven, UML, Hibernate, Oracle and Windows.